CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND DELIVERY CORRESPONDENCE

PURCHASE ORDER

Vendor Address

Vendor Address Number 116458
WEST PUBLISHING CORPORATION
DBA THOMSON REUTERS-WEST OR WEST, A
610 OPPERMAN DRIVE
EAGAN MN 55123

Mail Invoice to

COH POLICE DEPARTMENT
BUDG-FIN-ACCTS PAY
1200 TRAVIS, 17TH FLOOR
HOUSTON TX 77002

Information

Purchase Order Number/Date	4500230687-0 / 12/16/2015
CoH Vendor Number	116458
Page	1 of 2
Buyer's Name	Diana Gonzalez 114
Buyer's Telephone Number	713-308-1706
Buyer's Fax Number	713-308-1742
Buyer's E-mail Address	Diana.GonzalezdeRios@HoustonPolice.Org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER

Shipping Address	HOUSTON POLICE DEPARTMENT
	COMPUTER SERVICES
	PATRICIA CHEESMAN
	33 ARTESIAN
	HOUSTON TX 77002
Terms of payment :	Pay net 30 w/o deduction
Shipping Terms	FOB(Free on board) /DESTINATION
Your person responsible:	ELLEN GILLESPIE
Your reference:	E24811

Currency USD

GL: 520107 CC: 1000010057 FUND: 1000
****

CONTACT PERSON: ALVINA MCCARTY 713-247-8507
REQUISITIONER: PEGGY SAPPINGTON 713-247-5182

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU		95,376.00 / AU	95,376.00

20857   LAW ENFORCEMENT SOFT

Clear Services

Release Order against contract 4600012388 Item 00010

THE CONTRACT STATES THAT DURING PERIOD 12/1/2015 - 11/30/2016 THE PRICE PER MONTH IS $7,948.00.

ITSM #472708 THIS IS FOR TECH SVCS

Gross Price	95,376.00 USD		1 AU	1.000	95,376.00

The item covers the following services:

10 CLEAR SERVICES 12/1/	12.000 AU	7,948.00	95,376.00

Delivery Date: 12/31/2015

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

PO number/date 4500230687 -0 / 12/16/2015 **Page** 2 of 2

Total ****	**USD**	**95,376.00**

The Terms and Conditions specified on http://purchasing.houstontx.gov will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor	**Purchasing Agent**	**Controller**

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

Vendor Address
Vendor Address Number 116458
WEST PUBLISHING CORPORATION
DBA WEST - A THOMSON REUTERS
610 OPPERMAN DRIVE
EAGAN MN 55123

Mail Invoice to
COH POLICE DEPARTMENT
BUDG-FIN-ACCTS PAY
1200 TRAVIS, 17TH FLOOR
HOUSTON TX 77002

Information
Purchase Order Number/Date	4500210768-0 / 01/15/2015
CoH Vendor Number	116458
Page	1 of 2
Buyer's Name	Diana Gonzalez 114
Buyer's Telephone Number	713-308-1706
Buyer's Fax Number	713-308-1742
Buyer's E-mail Address	Diana.GonzalezdeRios@HoustonPolice.Org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER

Shipping Address	HOUSTON POLICE DEPARTMENT
	COMPUTER SERVICES
	PATRICIA CHEESMAN
	33 ARTESIAN
	HOUSTON TX 77002
Terms of payment :	Pay net 30 w/o deduction
Shipping Terms	FOB(Free on board) /DESTINATION
Your person responsible:	ELLEN GILLESPIE
Your reference:	E24811

Currency USD

GL: 520107 CC: 1000010057 FUND: 1000
****

CONTACT PERSON: PAT CHEESMAN 713-247-8545 / ALVINA MCCARTY 713-247-8507
REQUISITIONER: PEGGY SAPPINGTON 713-247-5182

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU		92,592.00 / AU	92,592.00
			20857 LAW ENFORCEMENT SOFT		
			CLEAR SERVICES		
			Release Order against contract 4600012388 Item 00010		
			THE CONTRACT STATES THAT DURING PERIOD 12/1/2014 - 11/30/2015 THE PRICE PER MONTH IS $7,716.		
			ITSM #472708 THIS IS FOR TECH SVCS		
	Gross Price		92,592.00 USD 1 AU	1.000	92,592.00
			The item covers the following services:		
	10 CLEAR SERVICES		12.000 AU 7,716.00 92,592.00		

Delivery Date: 01/26/2015

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

PO number/date 4500210768 -0 / 01/15/2015 **Page 2 of 2**

	USD	92,592.00
Total ****		

The Terms and Conditions specified on http://purchasing.houstontx.gov will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor	Purchasing Agent	Controller

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

Vendor Address

Vendor Address Number 116458
WEST PUBLISHING CORPORATION
DBA WEST - A THOMSON REUTERS
610 OPPERMAN DRIVE
EAGAN MN 55123

Mail Invoice to

COH POLICE DEPARTMENT
BUDG-FIN-ACCTS PAY
1200 TRAVIS, 17TH FLOOR
HOUSTON TX 77002

Information

Purchase Order Number/Date	4500196915-0 / 03/28/2014
CoH Vendor Number	116458
Page	1 of 2
Buyer's Name	Mary Olvera 101
Buyer's Telephone Number	713-308-1767
Buyer's Fax Number	713-308-1742
Buyer's E-mail Address	mary.olvera@houstonpolice.org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER
TO BUYER'S E-MAIL ADDRESS

Shipping Address
HOUSTON POLICE DEPARTMENT
COMPUTER SERVICES
33 ARTESIAN
HOUSTON TX 77002
USA

Currency USD

Terms of payment : Pay net 30 w/o deduction
Shipping Terms FOB(Free on board) /DESTINATION
Your person responsible: ELLEN GILLESPIE
Your reference: E24811

PR 10180152

FUND 1000
CC 1000010057
G/L 520107
****
CONTACT PERSON
ALVINA MCCARTY 713-247-8507
PAT CHEESMAN 713-247-8545
****
REQUISTIONER
PEGGY SAPPINGTON 713-247-5182

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU		89,892.00 / AU	89,892.00
			20857 LAW ENFORCEMENT SOFT		
			CLEAR Services		
			Release Order against contract 4600012388 Item 00010		
			This is for the procurement of CLEAR Services for the Houston Police Department		

THIS IS A CONTRACT WITH WEST PUBLISHING FOR DECEMBER 1, 2013 THROUGH NOVEMEBER

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

Item	Quantity	UM	Material # / Description				Unit Cost	Extended Cost
			31,2014					
			ITSM #437604					
	Gross Price		89,892.00 USD	1	AU		1.000	89,892.00
			The item covers the following services:					
	10 CLEAR Services for P		12.000 MON	7,491.00	89,892.00			
			Delivery Date: 04/30/2014					

Total ****		USD 89,892.00

The Terms and Conditions specified on http://purchasing.houstontx.gov will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor	**Purchasing Agent**	**Controller**

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

Vendor Address
Vendor Address Number 148250
ALLIED ASSOCIATES INTERNATIONAL INC
8078 CRESCENT PARK DRIVE
GAINESVILLE VA 20155
USA

Mail Invoice to
COH POLICE DEPARTMENT
BUDG-FIN-ACCTS PAY
1200 TRAVIS, 17TH FLOOR
HOUSTON TX 77002

Information

Purchase Order Number/Date	4500229028-0 / 11/04/2015
CoH Vendor Number	148250
Page	1 of 2
Buyer's Name	Mary Olvera 101
Buyer's Telephone Number	713-308-1767
Buyer's Fax Number	713-308-1742
Buyer's E-mail Address	mary.olvera@houstonpolice.org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER
TO BUYER'S E-MAIL ADDRESS

Shipping Address	HOUSTON POLICE DEPARTMENT
	TECHNOLOGY SERVICES COMMAND
	ALVINA MCCARTY
	33 ARTESIAN
	HOUSTON TX 77002

Currency USD

Terms of payment : Pay immediately w/o deduction
Shipping Terms FOB(Free on board) /DESTINATION
Your person responsible: RUSS JENSEN

PR 10210639 FUND 5030 CC 5000010001 ORDER NUMBER V50000024-15 G/L 511045

CONTACT PERSON ALVINA MCCARTY 713-8507-REQUISITIONER ANITA KHAMBHATI 713-247-5551

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	2.00	EA	10014587	2,499.00 / EA	4,998.00

SOFTWARE, MICRO-TECH

Int. Article No. 20453362004

Make ALLIED ASSOCIATES   Model SOCIOSPYDER

LN-10 USER LICENSE FOR THE INSTALLATION OF SOCIOSPYDER ONTO
A STAND ALONE PC. THE LICENSE COVERS UPDATES AND NEW
MODIFICATIONS FOR UP TO ONE YEAR FOR THE TWO LICENSES.

********** SEE ATTACHED QUOTE ID: 222 FOR MORE DETAIL ********

INCIDENT# 492524
FOR:

COMPUTER HARDWARE AND PERIPHERALS FOR MICROCOMPUTERS
Microcomputers, Desktop or Tower based
MICROCOMPUTER (PC), ACCESSORIES, PERIPHERALS, AND SOFTWARE AS SPECIFIED IN THE IFB
AND ANY SUBSEQUENT ADDENDAS

PURCHASE ORDER

Item	Quantity	UM	Material # / Description			Unit Cost	Extended Cost
			MICRO-TECH SOFTWARE				
	Gross Price		2,499.00 USD	1	EA	2.000	4,998.00
			Delivery Date: 11/30/2015				
Total ****						USD	4,998.00

The Terms and Conditions specified on http://purchasing.houstontx.gov will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor	Purchasing Agent	Controller

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

Vendor Address
Vendor Address Number 142493
GEOFEEDIA INC
444 NORTH WELLS ST SUITE 502
CHICAGO IL 60654
USA

Mail Invoice to
COH POLICE DEPARTMENT
BUDG-FIN-ACCTS PAY
1200 TRAVIS, 17TH FLOOR
HOUSTON TX 77002

Information

Purchase Order Number/Date	4500236773-0 / 05/10/2016
CoH Vendor Number	142493
Page	1 of 2
Buyer's Name	Mary Olvera 101
Buyer's Telephone Number	713-308-1767
Buyer's Fax Number	713-308-1742
Buyer's E-mail Address	mary.olvera@houstonpolice.org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER
TO BUYER'S E-MAIL ADDRESS

Shipping Address	HOUSTON POLICE DEPARTMENT TECHNOLOGY SERVICES COMMAND ALVINA MCCARTY 33 ARTESIAN HOUSTON TX 77002
Terms of payment :	Pay immediately w/o deduction
Shipping Terms	FOB(Free on board) /DESTINATION
Your person responsible:	JOSH VERVACK

Currency   USD

PR 10217633/ DATA SUBSCRIPTION
HSGP: GRANT NO.: 50000024-2016 - INTERNAL ORDER: Q50000024-16
HRISC SOFTWARE APPLICATION & MAINTENANCE SUPPORT-GEOFEEDIA RENEWAL
PRIMARY CONTACT: ███████████████████████

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
				12,000.00 / AU	12,000.00
10	1.00	AU			

92047   SUPPORT SVCS, COMPUT
GEOFEEDIA ANNUAL SUBSCRIPTION

LN-10 GEOFEEDIA PROFESSIONAL EDITION SERVICE PACKAGE CONTRACT EXPIRES 05/03/2017

******* SEE ATTACHED FOR MORE DETAIL *********

INCIDENT#
FOR: CID - FUSION CENTER

Gross Price	12,000.00 USD	1 AU		1.000	12,000.00

The item covers the following services:

10 ANNUAL SUBSCRIPTION	1.000 AU	12,000.00	12,000.00	

Delivery Date: 06/06/2016

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

PO number/date 4500236773 -0 / 05/10/2016 **Page** 2 of 2

Total ****	USD	12,000.00

Mayor	Purchasing Agent	Controller

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

Change to

PURCHASE ORDER

Vendor Address	Information	
Vendor Address Number 113834	Purchase Order Number/Date	4500232254-1 / 01/27/2016
WEST PUBLISHING COMPANY	CoH Vendor Number	113834
P.O. Box 6292	Page	1 of 2
CAROL STREAM IL 60197	Buyer's Name	Mary Olvera 101
USA	Buyer's Telephone Number	713-308-1767

Mail Invoice to		
COH POLICE DEPARTMENT	Buyer's Fax Number	713-308-1742
BUDG-FIN-ACCTS PAY	Buyer's E-mail Address	mary.olvera@houstonpolice.org
1200 TRAVIS, 17TH FLOOR		
HOUSTON TX 77002		

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER
TO BUYER'S E-MAIL ADDRESS

Shipping Address	HOUSTON POLICE DEPARTMENT
	▓▓▓▓▓▓▓▓
	1200 TRAVIS, 16TH FLOOR
	HOUSTON TX 77002
Terms of payment :	Pay net 30 w/o deduction
Shipping Terms	FOB(Free on board) /DESTINATION

Currency USD

PR 10213737 FUND 1000 CC 1000010003 G/L 520108
CONTACT ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU		24,078.60 / AU	24,078.60
			91573 PUB INFO SER PRESS		
			MONTHLY ONLINE ACCESS FOR LEGAL RESEARCH		

Monthly online access for legal research
12 months of access from January-December 2016 at $2,006.55 per month
Total $24,078.60

Reference account # 1000719634
Houston Police Dept
Legal Services
Order ID 505860

(WestlawNex) (banded)
material ID 40988738
Gov Build Your Own 601817T93853
Program codes 601817T93853

Gross Price	24,078.60 USD	1 AU	1.000	24,078.60

*** Delivery date changed ***
*** Item partially delivered ***

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

Change to
PURCHASE ORDER

PO number/date 4500232254 -1 / 01/27/2016 **Page 2 of 2**

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
			Delivery Date: 12/31/2016		
20	1.00	AU		5,172.00 / AU	5,172.00
			91573 PUB INFO SER PRESS		
			MONTHLY ONLINE ACCESS		
			Monthly publication print service for legal research		
			12 months of print service from January-December 2016 at $431.00 per month Total $5,172.00		
			Material ID 40666420		
			Program Details		
			GO Wp to WCMP		
			601817076373		
			Program codes 601817076373		

	Gross Price	5,172.00 USD	1 AU	1.000	5,172.00

*** Delivery date changed ***
*** Item partially delivered ***

Delivery Date: 12/31/2016

				USD	29,250.60

Total **

The Terms and Conditions specified on http://purchasing.houstontx.gov will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor	Chief Procurement Officer	Controller

PURCHASE ORDER

Vendor Address	**Information**	
Vendor Address Number 142493	Purchase Order Number/Date	4500217920-0 / 05/17/2015
GEOFEEDIA INC	CoH Vendor Number	142493
820 DAVIS STREET	Page	1 of 2
EVANSTON IL 60201	Buyer's Name	Mary Olvera 101
USA	Buyer's Telephone Number	713-308-1767

Mail Invoice to

	Buyer's Fax Number	713-308-1742
COH POLICE DEPARTMENT	Buyer's E-mail Address	mary.olvera@houstonpolice.org
BUDG-FIN-ACCTS PAY		
1200 TRAVIS, 17TH FLOOR		
HOUSTON TX 77002		

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER
TO BUYER'S E-MAIL ADDRESS

Shipping Address	HOUSTON POLICE DEPARTMENT	
	TECHNOLOGY SERVICES COMMAND	
	ALVINA MCCARTY	
	33 ARTESIAN	
	HOUSTON TX 77002	
Terms of payment :	Pay immediately w/o deduction	Currency USD
Shipping Terms	FOB(Free on board) /DESTINATION	
Your person responsible:	MICHAEL MULROY	

SUBSCRIPTION FOR PUBLIC SAFETY
PR 10203093

HSGP: GRANT NO.: 50000024-2015 - INTERNAL ORDER: U50000024-15
HPD CIU UPGRADE-GEOFEEDIA MAINTENANE SUPPORT (APRIL 2015 -2016)
PRIMARY CONTACT: ████████████████████

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU		12,000.00 / AU	12,000.00
			92047 SUPPORT SVCS, COMPUT		
			GEOFEEDIA ANNUAL SUBSCRIPTION		
			LN-10 GEOFEEDIA PROFESSIONAL EDITION SERVICE PACKAGE CONTRACT EXPIRES 05/03/2016		
			******* SEE ATTACHED FOR MORE DETAIL ********		
			INCIDENT# 479638		
			FOR ████████████████		

	Gross Price	12,000.00 USD	1 AU	1.000	12,000.00
		The item covers the following services:			
	10 ANNUAL SUBSCRIPTION	1.000 AU	12,000.00	12,000.00	

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

Delivery Date: 05/29/2015		
Total ****	USD	12,000.00

The Terms and Conditions specified on http://purchasing.houstontx.gov will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor	Purchasing Agent	Controller

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND DELIVERY CORRESPONDENCE

PURCHASE ORDER

Vendor Address

Vendor Address Number 143802
SNAP TRENDS INC
8601 RANCH ROAD 2222 BUILDING 2 SUITE 150
AUSTIN TX 78730
USA

Mail Invoice to:

COH POLICE DEPARTMENT
BUDG-FIN-ACCTS PAY
1200 TRAVIS, 17TH FLOOR
HOUSTON TX 77002

Information

Purchase Order Number/Date	4500231976-0 / 01/24/2016
CoH Vendor Number	143802
Page	1 of 2
Buyer's Name	Diana Gonzalez 114
Buyer's Telephone Number	713-308-1706
Buyer's Fax Number	713-308-1742
Buyer's E-mail Address	Diana.GonzalezdeRios@HoustonPolice.Org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER

Shipping Address
HOUSTON POLICE DEPARTMENT
TECHNOLOGY SERVICES COMMAND
ALVINA MCCARTY
33 ARTESIAN
HOUSTON TX 77002

Terms of payment.: Pay immediately w/o deduction

Shipping Terms FOB(Free on board) /DESTINATION

Your person responsible: LINDSAY BURRIS

GL: 520107 CC: 5000010001 FUND: 5030
****

HSGP: Grant No. : 50000024-2016 Internal Order: Q50000024-16
HRISC FC Tech Expansion-SNAPTRENDS LICENSE SUBSCRIPTION 013116-013117
****

PRIMARY CONTACT:

Currency USD

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU		19,800.00 / AU	19,800.00

92047   SUPPORT SVCS, COMPUT
ANNUAL SOFTWARE SUBSCRIPTION - SNAPTREND

LN-10 SNAP TRENDS LICENSE : 1 YEAR SUBSCRIPTION
  UP TO 6 USERS INCLUDES 1 ADMINISTRATOR
  SOFTWARE-AS-A-SERVICE

INCIDENT# 498695
FOR:

Gross Price	19,800.00 USD		1 AU	1.000	19,800.00

The item covers the following services:

10 1 YEAR LICENSE SUBS	1.000 AU	19,800.00	19,800.00

Delivery Date: 02/15/2016

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

PO number/date 4500231976 -0 / 01/24/2016 **Page** 2 of 2

Total ****	USD	19,800.00

CITY OF HOUSTON

HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

Vendor Address		Information	
Vendor Address Number 143626		Purchase Order Number/Date	4500226906-0 / 09/19/2015
TLO LLC		CoH Vendor Number	143626
4530 CONFERENCE WAY SOUTH		Page	1 of 2
BOCA RATON FL 33431		Buyer's Name	Mary Olvera 101
USA		Buyer's Telephone Number	713-308-1767
Mail Invoice to		Buyer's Fax Number	713-308-1742
COH POLICE DEPARTMENT		Buyer's E-mail Address	mary.olvera@houstonpolice.org
BUDG-FIN-ACCTS PAY			
1200 TRAVIS, 17TH FLOOR			
HOUSTON TX 77002			

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER
TO BUYER'S E-MAIL ADDRESS

Shipping Address	HOUSTON POLICE DEPARTMENT
	TECHNOLOGY SERVICES COMMAND
	ALVINA MCCARTY
	33 ARTESIAN
	HOUSTON TX 77002

Currency USD

Terms of payment : Pay net 30 w/o deduction

Shipping Terms FOB(Free on board) /DESTINATION

Your person responsible: TLO BILLING

PR 10208885
FUND 1000 CC 1000010057 G/L 522430
CONTACT PERSON ALVINA MCCARTY 713-247-8507 ANITA KHAMBHATI 713-247-5551

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU		25,200.00 / AU	25,200.00
			92047 SUPPORT SVCS, COMPUT		
			ONLINE INVESTIGATIVE SERVICES		
			LN-10 ONLINE INVESTIGATIVE SERVICES 8/1/2015 ---- 8/01/2016		
			********* SEE ATTACHED QUOTE FOR MORE DETAIL *********		

	Gross Price	25,200.00 USD	1 AU	1.000	25,200.00
		The item covers the following services:			
	10 ONLINE INVESTIGATIVE	12.000 MON	2,100.00	25,200.00	

Delivery Date: 10/15/2015

20	1.00	AU		3,539.75 / AU	3,539.75
			92047 SUPPORT SVCS, COMPUT		
			SEARCHES OUTSIDE OF AGREEMENT		

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

PO number/date 4500226906 -0 / 09/19/2015 **Page** 2 of 2

Item	Quantity	UM	Material # / Description		Unit Cost	Extended Cost
			LN-20 SEARCHES OUTSIDE OF AGREEMENT			
			********* SEE ATTACHED QUOTE FOR MORE DETAIL *************			
			INCIDENT# 490639			
	Gross Price		3,539.75 USD	1 AU	1.000	3,539.75
			The item covers the following services:			
	10 SEARCHES OUTSIDE OF		1.000 AU 3,539.75	3,539.75		
			Delivery Date: 10/15/2015			

		USD	28,739.75
Total ****			

Mayor	**Purchasing Agent**	**Controller**

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND DELIVERY CORRESPONDENCE

PURCHASE ORDER

Vendor Address
Vendor Address Number 143802
SNAP TRENDS INC
8601 RANCH ROAD 2222 BUILDING 2 SUITE 150
AUSTIN TX 78730
USA

Mail Invoice to
COH POLICE DEPARTMENT
BUDG-FIN-ACCTS PAY
1200 TRAVIS, 17TH FLOOR
HOUSTON TX 77002

Information

Purchase Order Number/Date	4500211619-0 / 02/05/2015
CoH Vendor Number	143802
Page	1 of 2
Buyer's Name	Mary Olvera 101
Buyer's Telephone Number	713-308-1767
Buyer's Fax Number	713-308-1742
Buyer's E-mail Address	mary.olvera@houstonpolice.org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER
TO BUYER'S E-MAIL ADDRESS

Shipping Address
HOUSTON POLICE DEPARTMENT
TECHNOLOGY SERVICES COMMAND
ALVINA MCCARTY
33 ARTESIAN
HOUSTON TX 77002

Terms of payment : Pay immediately w/o deduction

Shipping Terms FOB(Free on board) /DESTINATION

Your person responsible: LINDSAY BURRIS

PR 10199269

Currency   USD

HSGP: Grant No. : 50000024-2015 - Internal Order: U50000024-15
HRISC FC Tech Expansion Project-1 YEAR SNAPTRENDS LICENSE SUBSCRIPTION
PRIMARY CONTACT

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU		19,800.00 / AU	19,800.00

92047   SUPPORT SVCS, COMPUT
ANNUAL SOFTWARE SUBSCRIPTION - SNAPTREND

LN-10 SNAP TRENDS LICENSE : 1 YEAR SUBSCRIPTION
    UP TO 6 USERS
    SOFTWARE-AS-A-SERVICE

***** SEE ATTACHED SUBSCRIPTION NUMBER: 201401061871 ******

VENDOR: SNAPTRENDS
VENDOR # 143802

INCIDENT# 473393

	Gross Price	19,800.00 USD	1 AU	1.000	19,800.00

The item covers the following services:

PURCHASE ORDER

PO number/date 4500211619 -0 / 02/05/2015 **Page** 2 of 2

Item	Quantity	UM	Material # / Description			Unit Cost	Extended Cost
	10 1 YEAR LICENSE SUBS		1.000 AU	19,800.00	19,800.00		

Delivery Date: 02/26/2015

		USD	19,800.00
Total ****			

The Terms and Conditions specified on http://purchasing.houstontx.gov will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor	Purchasing Agent	Controller

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND DELIVERY CORRESPONDENCE

PURCHASE ORDER

Vendor Address
Vendor Address Number 142493
GEOFEEDIA INC
820 DAVIS STREET
EVANSTON IL 60201
USA

Mail Invoice to
COH POLICE DEPARTMENT
BUDG-FIN-ACCTS PAY
1200 TRAVIS, 17TH FLOOR
HOUSTON TX 77002

Information
Purchase Order Number/Date	4500213460-0 / 03/16/2015
CoH Vendor Number	142493
Page	1 of 2
Buyer's Name	Mary Olvera 101
Buyer's Telephone Number	713-308-1767
Buyer's Fax Number	713-308-1742
Buyer's E-mail Address	mary.olvera@houstonpolice.org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER
TO BUYER'S E-MAIL ADDRESS

Shipping Address	HOUSTON POLICE DEPARTMENT COMPUTER SERVICES PATRICIA CHEESMAN 33 ARTESIAN HOUSTON TX 77002
Terms of payment :	Pay net 30 w/o deduction
Shipping Terms	FOB(Free on board) /DESTINATION
Your person responsible:	MICHAEL MULROY

Currency   USD

PR 10201185
FUND 1000 CC 1000010051 G/L 511150
CONTACT PERSON ALVINA MCCARTY 713-247-8507 PAT CHEESMAN 713-247-8545
REQUISITIONER IKUKO 713-247-8351

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	EA	10049684	15,000.00 / EA	15,000.00
			LICENSE, SOFTWARE, GEO-SEARCH, LOCATION		
			Int. Article No. 20811495223		
			Make GOFEEDIA Model SERCH AND MONITORE LICENSE		
			Geofeedia Geo search License , Monitored for One year		
			*******quote***********		
			Vendor 142493 geofeedia Inc. Ticket 475774		
			This is for Vice division		
			COMPUTER SOFTWARE FOR MICROCOMPUTERS(PREPROGRAMMED)		
			APPLICATION SOFTWARE,MICROCOMPUTER		
			LICENSE,APPLICATION SOFTWARE(MICROCOMPUTER)		
			GEO-SEARCH, LOCATION-BASED STREAMING, SEARCH, MONITORING, AND ANALYTICS,		
			SEARCH, MONITOR AND ANALYZE ALL SOCIAL MEDIA ACTIVITY		
	Gross Price		15,000.00 USD 1 EA	1.000	15,000.00

PURCHASE ORDER

PO number/date 4500213460 -0 / 03/16/2015 **Page** 2 of 2

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
			Delivery Date: 04/10/2015		
Total ****				USD	15,000.00

The Terms and Conditions specified on http://purchasing.houstontx.gov will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor	Purchasing Agent	Controller

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

Vendor Address	
Vendor Address Number 143626	
TLO LLC	
4530 CONFERENCE WAY SOUTH	
BOCA RATON FL 33431	
USA	

Information	
Purchase Order Number/Date	4500202787-0 / 07/21/2014
CoH Vendor Number	143626
Page	1 of 2
Buyer's Name	Mary Olvera 101
Buyer's Telephone Number	713-308-1767
Buyer's Fax Number	713-308-1742
Buyer's E-mail Address	mary.olvera@houstonpolice.org

Mail Invoice to
COH POLICE DEPARTMENT
BUDG-FIN-ACCTS PAY
1200 TRAVIS, 17TH FLOOR
HOUSTON TX 77002

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER
TO BUYER'S E-MAIL ADDRESS

Shipping Address	HOUSTON POLICE DEPARTMENT
	TECHNOLOGY SERVICES COMMAND
	33 ARTESIAN
	HOUSTON TX 77002
	USA
Terms of payment :	Pay net 30 w/o deduction
Shipping Terms	FOB(Free on board) /DESTINATION
Your person responsible:	TLO BILLING

Currency   USD

PR 10191416
FUND 1000
CC 1000010057
G/L 522430

****
CONTACT PERSON ALVINA MCCARTY 713-247-8507, PAT CHEESMAN 713-247-8545
REQUISITIONER ANITA K 713-247-5551

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU		25,200.00 / AU	25,200.00
			92047 SUPPORT SVCS, COMPUT		
			ONLINE INVESTIGATIVE SERVICES		
			LN-10 ONLINE INVESTIGATIVE SERVICES 8/1/201 ---- 8/01/2015		
			********* SEE ATTACHED QUOTE FOR MORE DETAIL ********		
			INCIDENT# 459282		
Gross Price			25,200.00 USD 1 AU	1.000	25,200.00
			The item covers the following services:		
10 ONLINE INVESTIGATIVE			12.000 MON 2,100.00 25,200.00		

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

PO number/date 4500202787 -0 / 07/21/2014 **Page** 2 of 2

Delivery Date: 08/21/2014

Total ****	USD	25,200.00

The Terms and Conditions specified on http://purchasing.houstontx.gov will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor	**Purchasing Agent**	**Controller**

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND DELIVERY CORRESPONDENCE

PURCHASE ORDER

Vendor Address
Vendor Address Number 143802
SNAP TRENDS INC
8601 RANCH ROAD 2222 BUILDING 2 SUITE 150
AUSTIN TX 78730
USA

Mail Invoice to
COH POLICE DEPARTMENT
BUDG-FIN-ACCTS PAY
1200 TRAVIS, 17TH FLOOR
HOUSTON TX 77002

Information

Purchase Order Number/Date	4500194502-0 / 02/06/2014
CoH Vendor Number	143802
Page	1 of 2
Buyer's Name	Elizabeth Fenton 113
Buyer's Telephone Number	713-308-1786
Buyer's Fax Number	713-308-1742
Buyer's E-mail Address	elizabeth.fenton@houstonpolice.org

Shipping Address
HOUSTON POLICE DEPARTMENT
TECHNOLOGY SERVICES COMMAND
33 ARTESIAN
HOUSTON TX 77002
USA

Terms of payment : Payable immediately Due net

Shipping Terms FOB(Free on board) /DESTINATION

Your person responsible: LINDSAY BURRIS

HSGP: Grant No. : 50000024-2013 - Internal Order: T50000024-13
HRISC FC Tech Expansion Project-1 YEAR SNAPTRENDS LICENSE SUBSCRIPTION
PRIMARY CONTACT ~~████████████████~~
PAY TERM "0001 PAY IMMEDIATELY"

G/L: 520107
CC: 5000010001
Fund: 5030

PR: 10183033
SUBSCRIPTION NUMBER: 201312181294

Currency USD

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU		19,800.00 / AU	19,800.00
			92047 SUPPORT SVCS, COMPUT		
			SNAP TRENDS SUBSCRIPTION		
			LN-10 SNAP TRENDS LICENSE : 1 YEAR SUBSCRIPTION		
			UP TO 6 USERS		
			SOFTWARE-AS-A-SERVICE		
			***** SEE ATTACHED SUBSCRIPTION NUMBER: 201312181294 ******		
			VENDOR: SNAPTRENDS		
			VENDOR # 143802		

PURCHASE ORDER

Item	Quantity	UM	Material # / Description				Unit Cost	Extended Cost
			INCIDENT# 444466					
	Gross Price		19,800.00 USD	1	AU		1.000	19,800.00
			The item covers the following services:					
	10 SNAP TRENDS 1 YEAR L		1.000 AU	19,800.00	19,800.00			
			Delivery Date: 02/21/2014					

Total ****   USD   19,800.00

The Terms and Conditions specified on http://purchasing.houstontx.gov will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor	**Purchasing Agent**	**Controller**

CITY OF HOUSTON
HPD Purchasing Unit 1000

PO NUMBER MUST APPEAR ON ALL PAYMENT AND
DELIVERY CORRESPONDENCE

PURCHASE ORDER

Vendor Address

Vendor Address Number 142493
GEOFEEDIA INC
820 DAVIS STREET
EVANSTON IL 60201
USA

Mail Invoice to

COH POLICE DEPARTMENT
BUDG-FIN-ACCTS PAY
1200 TRAVIS, 17TH FLOOR
HOUSTON TX 77002

Information

Purchase Order Number/Date	4500206378-0 / 09/30/2014
CoH Vendor Number	142493
Page	1 of 1
Buyer's Name	Elizabeth Fenton 113
Buyer's Telephone Number	713-308-1786
Buyer's Fax Number	713-308-1742
Buyer's E-mail Address	elizabeth.fenton@houstonpolice.org

CONFIRM RECEIPT AND ACCEPTANCE OF PURCHASE ORDER

Shipping Address	HOUSTON POLICE DEPARTMENT
	TECHNOLOGY SERVICES COMMAND
	33 ARTESIAN
	HOUSTON TX 77002
	USA
Terms of payment :	Pay net 30 w/o deduction
Shipping Terms	FOB(Free on board) /DESTINATION
Your person responsible:	MICHAEL MULROY

Currency USD

CONTACT PERSON: PAT CHEESMAN 713-247-8545 / ALVINA MCCARTY 713-247-8507
REQUISITIONER: ANITA KHAMBHATI 713-247-5551

Item	Quantity	UM	Material # / Description	Unit Cost	Extended Cost
10	1.00	AU		12,000.00 / AU	12,000.00
			92047 SUPPORT SVCS, COMPUT		
			1 YEAR TERM-ENTERPRISE LICENSE		
			LN-10 1 YEAR TERM ENTERPRISE WEB BASE LICENSE		
			INCLIDES: UNLIMITED USER LICENSES		
			UNLIMITED RECORDED LOCATIONS UP TO 150,000		
			POSTS PER MONTH, UNLIMITED ALERTS		
			INCIDENT# 464493		

Gross Price	12,000.00 USD	1 AU	1.000	12,000.00

The item covers the following services:

10 1-YEAR TERM ENTERPRI	1.000 AU	12,000.00	12,000.00	

Delivery Date: 10/30/2014

		USD	12,000.00
Total ****			

The Terms and Conditions specified on http://purchasing.houstontx.gov will apply.

I hereby certify a certificate of the necessity of this expenditure is on file in this department.

I hereby certify that the expenditure for the above goods has been duly authorized and appropriated and that sufficient funds are available to liquidate same.

Mayor	Purchasing Agent	Controller

2003

DATE: 09/24/03 COP#2003-09978 ENTERED BY: mmedina

CATEGORY: OTH

SUBJECT LINE 1: INTELLICAST TARGET NOTIFICATION
2: OVERVIEW, CAPABILITIES AND BENEFITS
3: INTRADO INC. - LONGMONT, COLORADO
4: EMERGENCY   5: TELEPHONE   6: BOOKLET

X-REFERENCE COP #(S): 02-5377

NOTES: 9-24-03 ORIG BOOKLET "INTELLICAST TARGET NOTITFICATION" TO
ADMIN. COORD. ML

SENT TO   DATE DUE   DATE RETURNED

intrado™

Informed Response.

*intelli*Cast
Target Notification

Overview, Capabilities, and Benefits

ntrado

intrado™

Informed Response.™

COPY

*intelli*Cast™
Target Notification

Overview, Capabilities, and Benefits

Table of Contents

DATE: 11/19/02 COP#2002-05377 ENTERED BY: uvela

CATEGORY: OTH
SUBJECT LINE 1: FUNDING ASSISTANCE AVAILABLE FOR TELEPHONE NOTIFICATION
2: INTELLICAST TARGET NOTIFICATION FORM INTRADO INC.
3: NATIONAL CENTER FOR MISSING & EXPLOITED CHILDREN
4: CHILDREN   5: NCMEC   6: INTRADO

X-REFERENCE COP #(S): 03-9978

NOTES: 11-21-02 ORIG LTR REC'D 11-18-02 FR NCMEC TO OPS COORD. MB

SENT TO   DATE DUE   DATE RETURNED

National Center for Missing & Exploited Children

NATIONAL CENTER FOR MISSING & EXPLOITED CHILDREN

Industry Alert: Funding Assistance Available for Telephone Notification

In response to the many missing children cases plaguing the country recently, the National Center for Missing and Exploited Children (NCMEC) has unveiled an exciting program through which municipalities can use IntelliCast™ Target Notification from Intrado Inc. to assist with missing child searches.

Operating like 9-1-1 in reverse, IntelliCast automatically delivers a telephone message about a missing child to thousands of targeted homes and businesses within minutes, helping ensure the most efficient dissemination of relevant information to safely and quickly recover missing children. This service can also deliver AMBER alerts. AMBER alerts are urgent bulletins to the communities over the Emergency Alert System calling for assistance in the search for an abducted child. The decision to implement ultimately rests with the community in question.

The NCMEC has partnered with Intrado—the trusted source for 9-1-1 database management in the United States—because of IntelliCast's ability to telephonically deliver critical information (physical description, date, time and location where last seen; number to call) to a targeted geographic area effectively and efficiently.

In view of the budgetary constraints facing local communities across the country, NCMEC has worked with Intrado to waive costs associated with municipalities launching IntelliCast Target Notification events to recover missing children. For communities that are not yet subscribers to the IntelliCast Target Notification service, Intrado, in conjunction with the NCMEC, will **eliminate the upfront set-up costs** to facilitate the implementation process.

"This program represents a significant step forward in assisting cities and towns across the United States in winning the fight against time to safely recover missing children," said Ernie Allen, NCMEC's president and CEO.

"With the rash of missing children, I think this system is crucial," said Captain Don Faru of the Pocatello, Idaho Police Department, who recently used IntelliCast Target Notification to help locate a child within 15 minutes after the telephone notification event was launched.

For information on how existing IntelliCast Target Notification customers can take advantage of this offer, or for new subscriber information, please call 1.877.362.3775 ext. 101 or email us at locatechildren@intrado.com. You can also visit each organization's Web site at www.missingkids.com and http://www.intrado.com/NCMEC.

DATE: 05/19/99 COP# 99-02742 ENTERED BY: JL

CATEGORY: OTH

SUBJECT LINE 1: VENDOR - MEETING W/CHIEF REQUEST
             2: STINGER SPIKE SYSTEMS
             3: FEDERAL SIGNAL CORPORATION
             4: MEETING   5: SPIKE   6:

X-REFERENCE COP #(S): 98-2874

NOTES: 5/20/99 ORIG LTR 5/13/99 FR RICHER TO COB W/FAX ATTS TO SUPP.
       COORD. RL

SENT TO   DATE DUE   DATE RETURNED

FILE SUMMARY
1996

Date: 01/22/1996 **COP#:** 96-568	**Entered By:** GR	**CAT:** OTH

VENDOR/SOLICITATION FEDERAL SIGNAL CORPORATION - EVALUATION PROGRAM RICHER, JULIO, DISTRICT MANAGER - ILLINOIS

X-Reference COP#(s):
Related COP#(s):

FILE SUMMARY
1995

Date: 07/18/1995 COP#: 95-3610	Entered By: kg	CAT: OTH
PROTOTYPE PROJECT PHASE III VECTOR LIGHTBAR EVALUATION - V SHAPE WARNING SYSTEM FEDERAL SIGNAL CORPORATION		

X-Reference COP#(s): 95-2123
Related COP#(s):

FILE CLOSED

DATE: 07/18/95 ~~~~~~~~~~~~~~~~~ BY: KATHY

SUBJECT LINE 1:   PROTOTYPE PROJECT PHASE III   CATEGORY: OTH
              2:   VECTOR LIGHTBAR EVALUATION - V SHAPE WARNING SYSTEM
              3:   FEDERAL SIGNAL CORPORATION
              4:   VEHICLE   5: PHASE III   6: BRADLEY

X-REFERENCE COP #(S): 95-2123

NOTES: 7-21-95 ~~~~~~

                SENT TO   DATE DUE   DATE RETURNED

          CHIEF'S OFFICE STAFF   07/21/95

          NORTH COMMAND   07/21/95

                            FILE CLOSED

CITY OF HOUSTON
INTER OFFICE CORRESPONDENCE

TO: Sam Nuchia
Chief of Police

FROM: T.A. Bradley, Police Officer
Crime Analysis/Planning
and Research Division

VIA: H.W. Walpole, Sergeant
Crime Analysis/Planning
and Research Division

DATE: July 7, 1995

SUBJECT: Prototype Project Plate of

T.W. Jennische, Lieutenant
Crime Analysis/Planning
and Research Division

M.I. Montalvo, Captain
Crime Analysis/Planning
and Research Division

D.N. Richards, Assistant Chief
North Command

The Crime Analysis/Planning and Research Division is completing an evaluation in the *Prototype Vehicle Project*. The Vector Lighter Corporation provided this division and asked that we evaluate the Vector Lighter versus the current fixture. As you are aware, the department currently uses halide high intensity light bar. The Vector Lighter uses modular halogen light pods, as mounted in the accident vehicle.

Due to the substantial difference in the two fixtures, I am requesting your approval for this project before installing the Vector Lighter.

If you have any questions, please call me at 247-5900.

[handwritten notes]

[signature]
T.A. Bradley, Police Officer
Crime Analysis/Planning
and Research Division

Attachments

[signatures]
m.montalvo

[signature] 7-6-95

APPROVED

FILE SUMMARY
1988

Date: 11/01/1988 COP#: 2915	Entered By:	CAT:
Williams, Jerry Federal Signal Corporation		

X-Reference COP#(s):
Related COP#(s):

.

FILE SUMMARY

1988

Date: 11/01/1988 COP#: 2917	Entered By:	CAT:

Rice, Fred Federal Signal Corporation`

X-Reference COP#(s):
Related COP#(s):

FILE SUMMARY
1988

Date: 11/01/1988 COP#: 2919	Entered By:	CAT:
Benner, Mike Federal Signal Corporation		

X-Reference COP#(s):
Related COP#(s):

SUBJECT: USE OF SOCIAL MEDIA AND THE INTERNET

POLICY

Information or material posted to the Internet or in the social media (e.g., Twitter, YouTube, Facebook, Instagram, Web sites, blogs, forums, and message boards) may be considered part of the public domain even if access is restricted, or it may be geotagged, and as such, privacy of the information should not be assumed. Photographs and other material posted to Web sites, social media, or other applications may become the property of that Web site or provider.

While employees are allowed to maintain a Web page and make comments or postings in the social media, this General Order outlines the department's right to regulate the speech and actions of its employees in certain circumstances.

This General Order applies to all employees.

1 DEPARTMENT USE OF SOCIAL MEDIA AND THE INTERNET

Only the Chief of Police may approve an official department Web site or other official department presence on the Internet or in the social media.

The Office of Public Affairs shall exercise oversight of and monitor content on each official department Web site and social media site to ensure the content information and postings are correct and appropriate, and to ensure adherence to federal, state, and local laws, department policies, and City of Houston Executive Order 1-18. This includes, but is not limited to, adherence to copyright and privacy laws, records retention requirements, the Texas Public Information Act, and information security policies established by the department.

Division commanders who want to establish an official department presence on the Internet or in the social media shall contact the Office of Public Affairs regarding a social media site proposal.

2 EMPLOYEE USE OF SOCIAL MEDIA AND THE INTERNET

Employees who post or allow to be posted information or material to the Internet or in the social media or in any publicly accessible communication application or medium are subject to the General Orders at all times. Actions taken while on or off duty and that violate any General Order shall be subject to appropriate review and possible disciplinary action.

Employees are not barred from presenting themselves on the Internet or in the social media as Houston Police Department employees. However, when posting information or material to the Internet or in the social media or in any publicly accessible communication application or medium, employees shall carefully consider whether or not to identify themselves as employees of the Houston Police Department or members of law enforcement. Any information posted may remain accessible to the public for an indefinite length of time even if access restricted, and this may impact open records requests, courtroom credibility, potential citizen contacts, or the ability to seek and obtain an undercover assignment within the department.

3 RESTRICTIONS

Except as required by official duties, employees shall not knowingly post or allow to be posted to the Internet or in the social media or in any publicly accessible communication application or medium:

a. Photographs or anything depicting or regarding themselves or other employees in compromising or inappropriate locations or circumstances.

b. Anything that would identify an employee or another person in law enforcement as a coworker, police officer, police employee, or member of law enforcement, without permission from that person.

c. Anything identifying, depicting, or regarding employees or other persons in law enforcement, on or off duty, who work in an undercover capacity.

   Undercover officers shall not post or allow to be posted images of themselves on any Internet or social media site, whether the image is of the undercover officer in an on-duty or off-duty capacity. Additionally, undercover officers shall not identify themselves as police officers or as Houston Police Department employees on any Internet or social media site. Undercover officers who engage in any of these activities may be considered for reassignment within the division or elsewhere in the department.

d. Anything depicting or regarding an employee, without permission from that person.

e. Anything depicting or regarding City of Houston property or policy, the public release of which would compromise national, local, or employee security or the department mission.

f. Anything that would produce a reasonable expectation of harm to the reputation of the Police Department, the City of Houston, or any City employee.

g. False, derogatory, offensive, or inappropriate comments, material, or depictions regarding any coworker or other City employee.

h. Anything false, derogatory, offensive, or inappropriate regarding their official duties or any department or City policy.

i. Anything depicting or regarding an ongoing law enforcement or City of Houston investigation, including investigations that have not resulted in a final adjudication.

j. Anything that relates to official department activities including, but not limited to, crime scenes, potential evidence, witnesses, incident reports, or personnel performing official duties.

k. Confidential or privileged information or material made available to them by their capacity as police officers or their position within the Police Department.

l. Anything appearing to be officially sanctioned by the Police Department or the City of Houston.

m. Anything appearing to use a City of Houston employee's official position for personal profit or business interests, to endorse a political candidate, platform, or commercial product, or to participate in political activity.

n. Anything that would attribute personal statements or opinions to the Police Department or the City of Houston.

4 RELATED GENERAL ORDERS AND REFERENCE MATERIAL

100-07, **Standard Operating Procedures**
200-03, **Investigation of Employee Misconduct**

200-06, **Political Activities**
200-08, **Conduct and Authority**
300-15, **Appearance and Grooming Standards – Classified**
400-14, **Control of Police Department Property**
400-25, **Acceptable Use of Computers**
800-10, **Police Records**
800-11, **TCIC/NCIC**
Chapter 552, Texas Government Code
City of Houston Executive Order 1-18

Charles A. McClelland, Jr.
Chief of Police

Subject: Internet Profiling and Intelligence Gathering

Unit: HPD Vice Division Hosting the Course

TCOLE#   **HPD# N/A**

Instructors: Michele Stuart   **Phone:** xxx-xxx-xxxxx

Time Allotted: 16 hours

Instructor Aids: "Information Presented is copyrighted. Please see attached copy right agreement."

Student Materials: Paper, Pen

Goal: The goal of this course is to demonstrate new investigation techniques that are vital to any Investigator's arsenal of tools and instruct a unique method of online investigations with unconventional free resources.

Date Prepared: 8-2016   **Date Revised:**

Prepared By: Michele Stuart   **Revised By:**

Course Schedule

DAY 1

Morning Session

30 Minutes: **Registration & Welcome remarks**

1.5 Hours: **Security Concerns**
Demonstrate Security and Privacy concerns (both online and cellular) and learn how to protect personal and family information

2 Hours: **Security concerns**
Provide examples of cellular application security compromises. Provide examples of applications that can be used in an investigation to immediately identify witnesses, threat statements and identify key suspects or witnesses. Show online dangers of being identified and tracked.

Afternoon Session

1 Hour: **Public Records**
Demonstrate the ability to learn personal information from public record sources. Determine family and business association. Identify personal identifiers useful in an investigation.

1.5 Hours: **Public Records**
Provide examples on correct search techniques. Provide examples on how to utilize information located to new search techniques online with open sources.

1.5 Hours: **Search Engines and Correct Effective Searching Techniques**
Demonstrate the correct techniques for the best search pattern results from search engines. Boolean searches. Provide real time examples of search criteria manipulation. The law enforcement and the investigative communities now face the problem (and the benefit) of publically available facial recognition software that can assist in identifying a subject and/or identifying a fake account used for investigative purposes. Online in real time instruction will focus on how to utilize these sources. Learn to utilize Google's and Facebook's facial recognition software. Provide real time example of identification of photo.

DAY 2

Morning Session

30 Minutes: **Registration/Sign-in & Welcome remarks**

1 Hour: **Search Engines and Correct Effective Searching Techniques**
Recap of previous day. Demonstrate how to identify and locate cached or removed information. Show how we can pull information from cached sites that allow us to view domains that have been removed back to 1991.

1 Hour: **Internet Open Sources**
Review and identify numerous surface and deep web online open sources to identify residential locations or associated telephone numbers. Demonstrate which open sources can pull different types of information – associates, family members, gang members / criminal networks. Show the difference between surface web to deep web.

1.5 Hours: **Internet Open Sources**
Demonstrate how to determine ownership and domain WHOIS information. Provide International research techniques. Pull cached information from removed sites.

1.5 Hours: **Using Social Networking Sites**
With estimated billions of social networking profiles and mobile social applications, it will be demonstrated on how to correctly search for information to access these platforms to identify gangs / human trafficking / fugitive locates / drug sales / suspects and witnesses. Cover the security issues as well as how to utilize LinkedIn.

1.5 Hours: **Using Social Networking Sites**
Learn how to identify a Facebook ID then learn search capabilities on Facebook and other sources to pull the most useful information on the subject and friends / family. Show the significance of hashtags and the ability to search and follow hashtag conversations over numerous platforms. Demonstrate the capabilities to geo locate Instagram pictures via the actual posting of the pictures.

1 Hours: **Using Social Networking Sites & Recap**
Determine usernames and additional associations. Demonstrate the capabilities to geo locate Twitter postings. Locate personal online photo albums. Recap of all tools and lessons.

Instructor Lesson Plan

Subject: Internet Profiling and Intelligence Gathering

Lesson Objectives:

Outline cellular platform security issues in addition to online personal security risks. Provide step-by-step in-depth researching techniques utilizing online and open-source databases located on the web. Instruct techniques in locating 'hidden' information on a subject's web presence from public records, criminal records and social-networking profiles. Learn how to use open sources available for geo locating tweets and instagram photos right after they have been posted as well as reading the metadata embedded in pictures. The class will further demonstrate how to utilize the internet as an effective investigative research tool (by manipulating search criteria) in locating and creating an entire profile on an individual, gang / drug / human trafficking intelligence, security/counter intelligence or corporate intelligence.

1. Preparation:

Preparation for the class includes reviewing course material and ensuring that all techniques are valid, functioning, and usable in real-world scenarios.

2. Presentation

The instructor will present all material in a lecture format. Each topic will be presented in a live environment using current data on the internet. All demonstrations will be conducted within a web browser through a live internet connection. These live examples will identify how the content can be used in an actual investigation. Actual case studies of criminal investigations will also be presented.

<u>**Key Topic Points**</u>   <u>**Elaboration on Key Points**</u>

I   **Security Concerns**
II   **Public Records**
III   **Search Engines and Correct Effective Searching Techniques**
IV   **Internet Open Sources**
V   **Using Social Networking Sites**
"Information Presented is copyrighted. Please see attached copy right agreement."

III. Application

Participants will be able to use free resources to search the internet for personal information about any target. Participants will be able to apply all search techniques discussed during the training toward investigations.

IV. Evaluation

The instructor will analyze class participation throughout the training while conducting live examples of the lessons discussed. Engagement by the audience will be an indicator of the progressing generative knowledge. Thus illustrating practical application of the lessons and an understanding of the concepts taught.

V. References
"All references are based on copyrighted material. Please see attached copy right agreement."

Texas Commission on Law Enforcement Officer Standards and Education

Houston Police Academy

Instructor Lesson Plan

Subject: Social Media/Community Awareness   **Unit:**

TCLEOSE#:   **HPD#:**

Instructors: See attached lesson pl ans   **Phone:**

Time Allotted: 8 hours

Instructor Aids: See attached lesson plans

Student Materials: See attached lesson plans

Prerequisite Experience of the Learners: Classified personnel

Goal: See attached lesson plans

Date Prepared: September 2012   **Date Revised:**

Prepared By: M.P. Whitmore   **Revised By:**

1

Instructor Lesson Plan

Subject: **Unit:**

Lesson Objectives:

See attached lesson plans.

<u>Course Schedule</u>

See attached lesson plans.

Proper Conduct and Behavior

with

Social Media sites
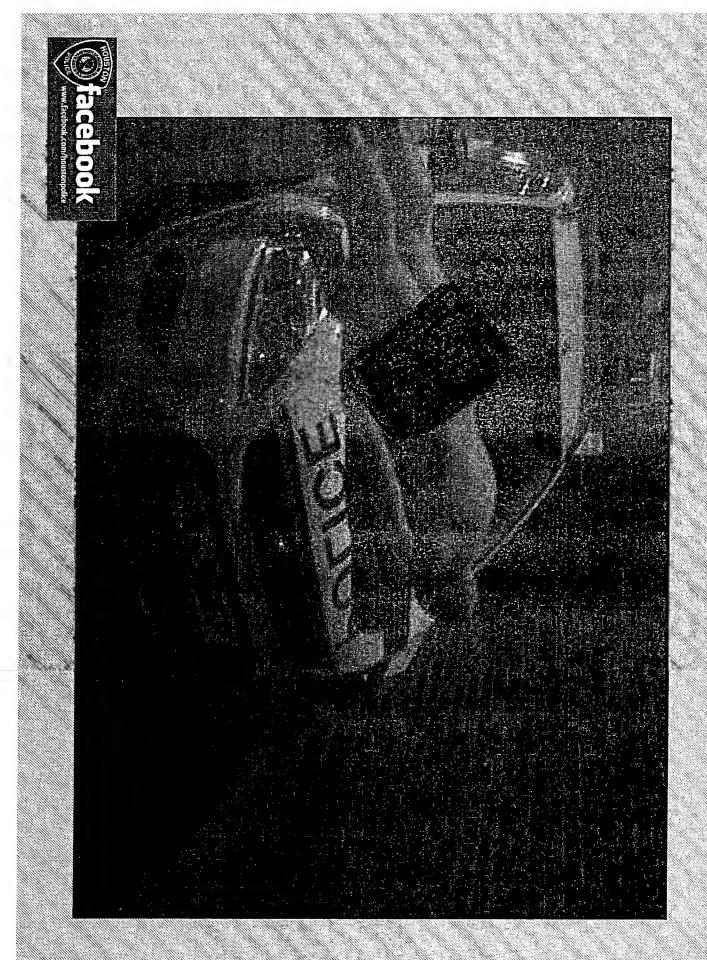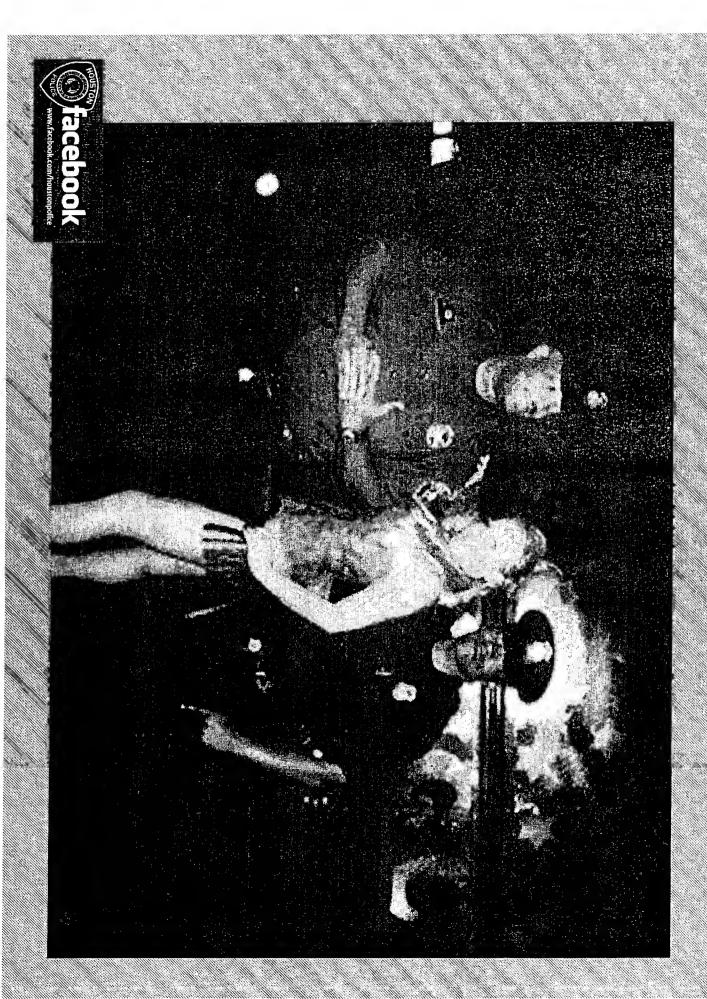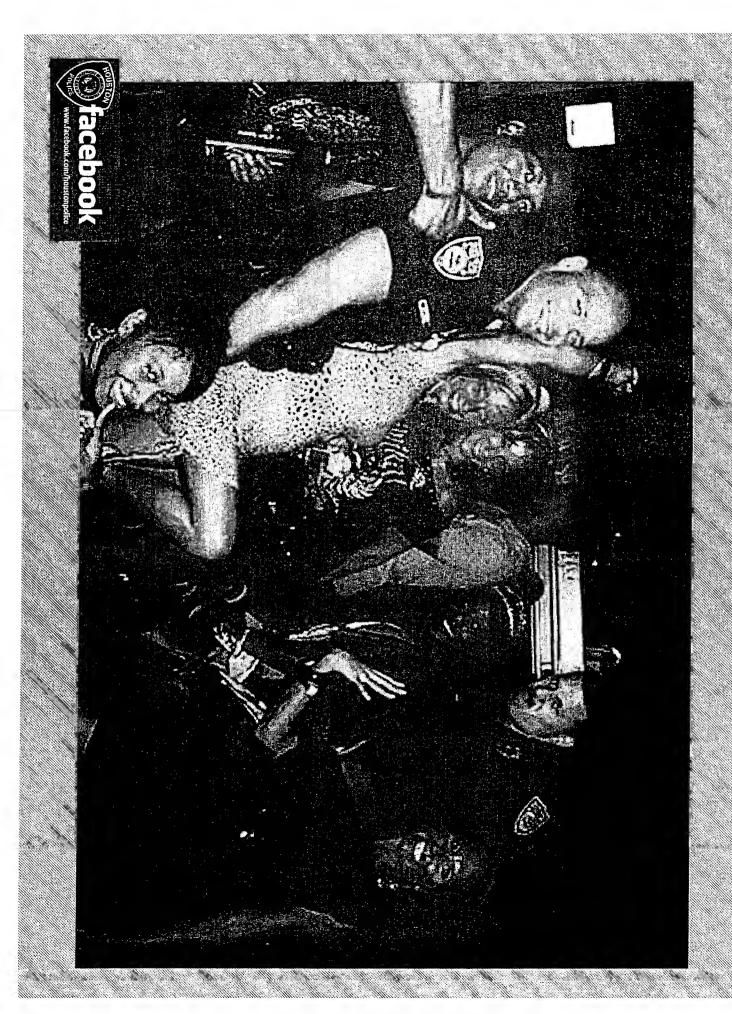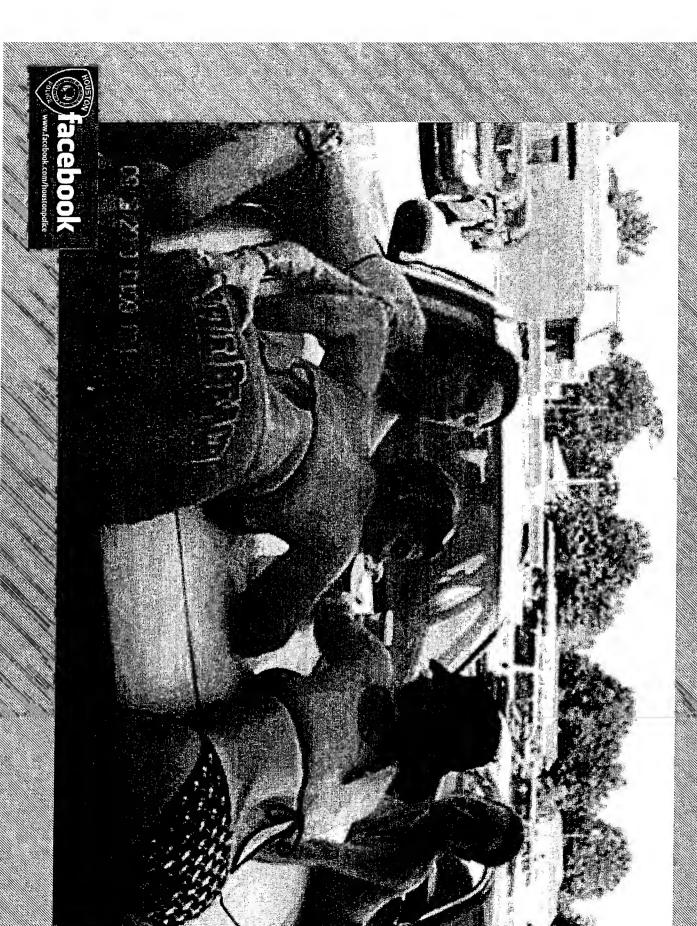
on duty and off duty

General Order 200-41
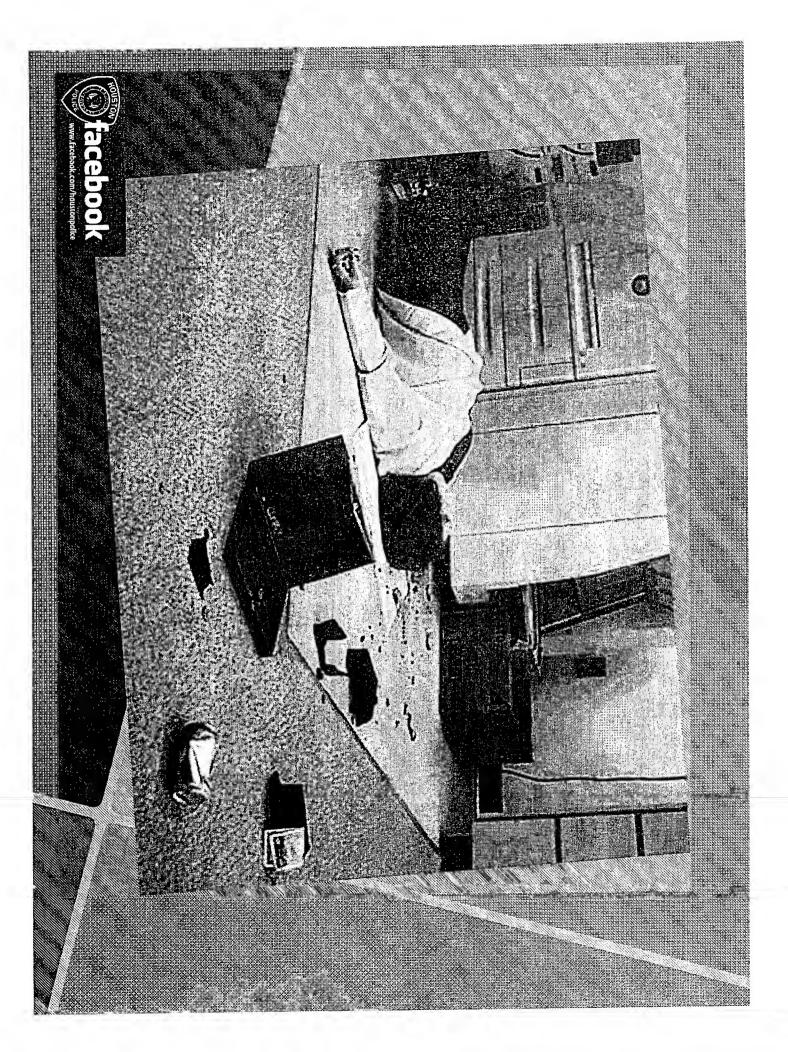
G.O. 200-41
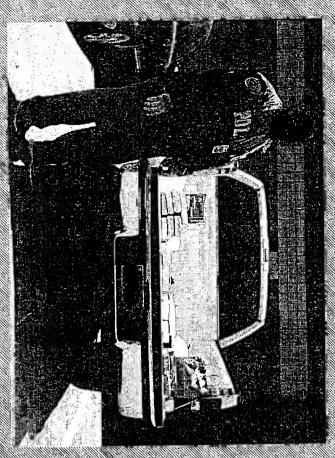
Shall not post photos or images depicting crime scenes, evidence, or city property

Shall not post images of persons who work in an undercover capacity

Shall not discuss or comment on any ongoing investigations
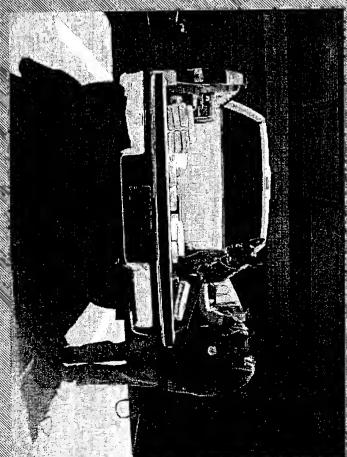
Narcotics Bust
Pictures ended up on Facebook
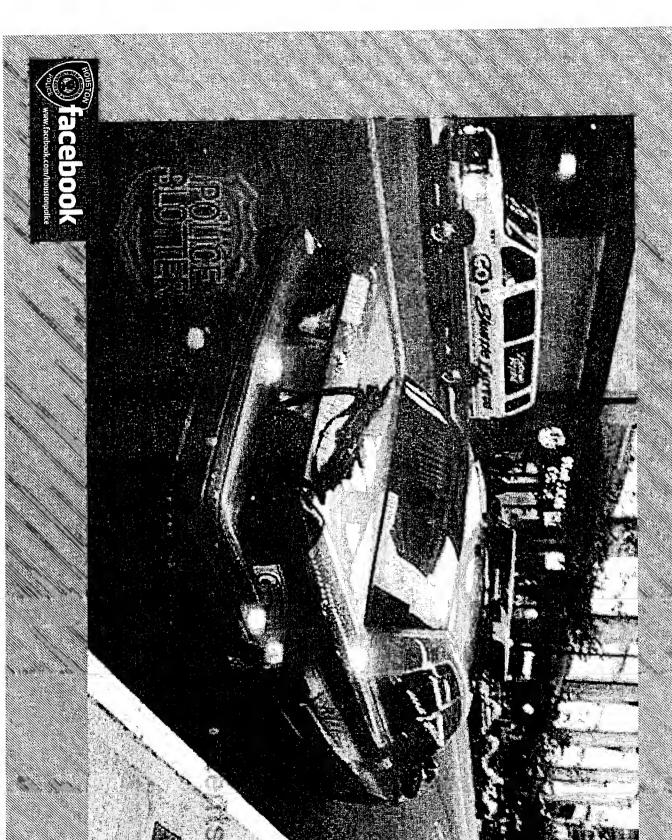
In today's world everyone has a camera on them at all times...

SMILE!
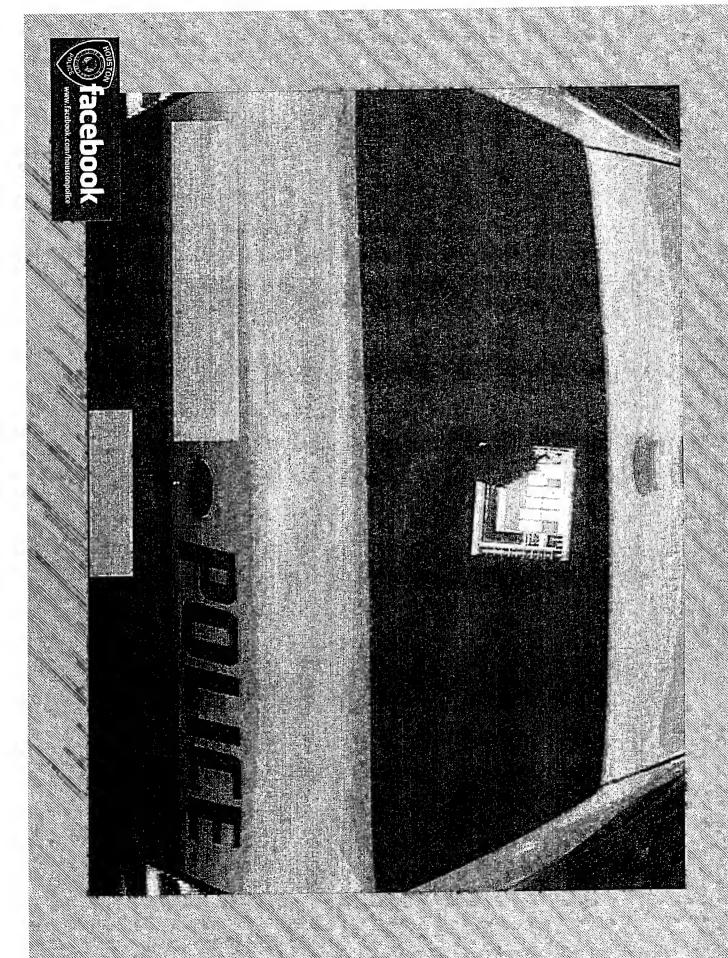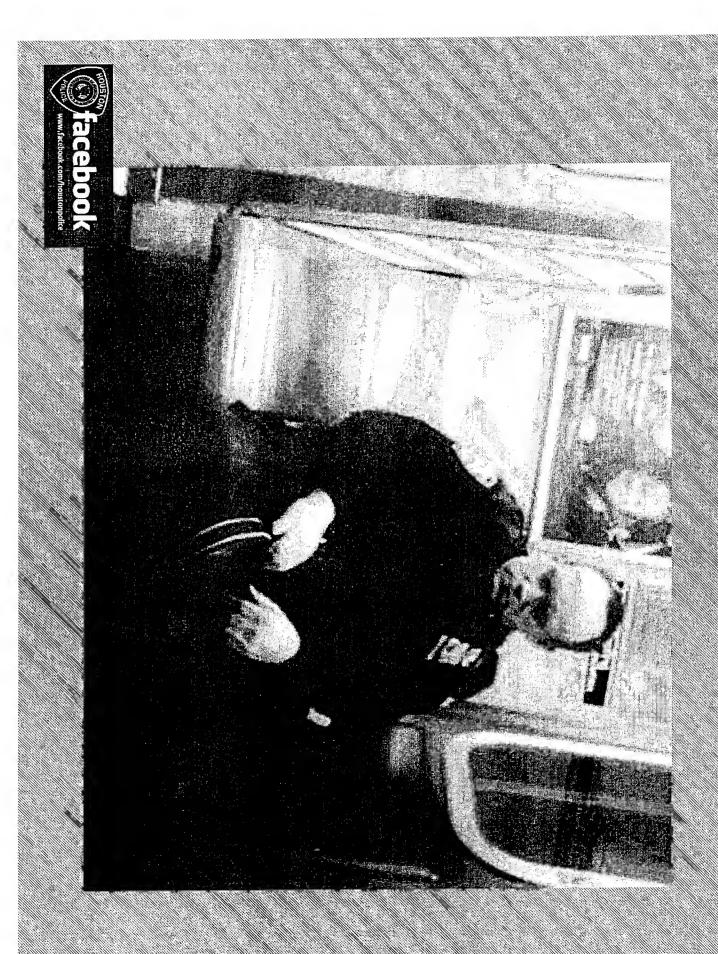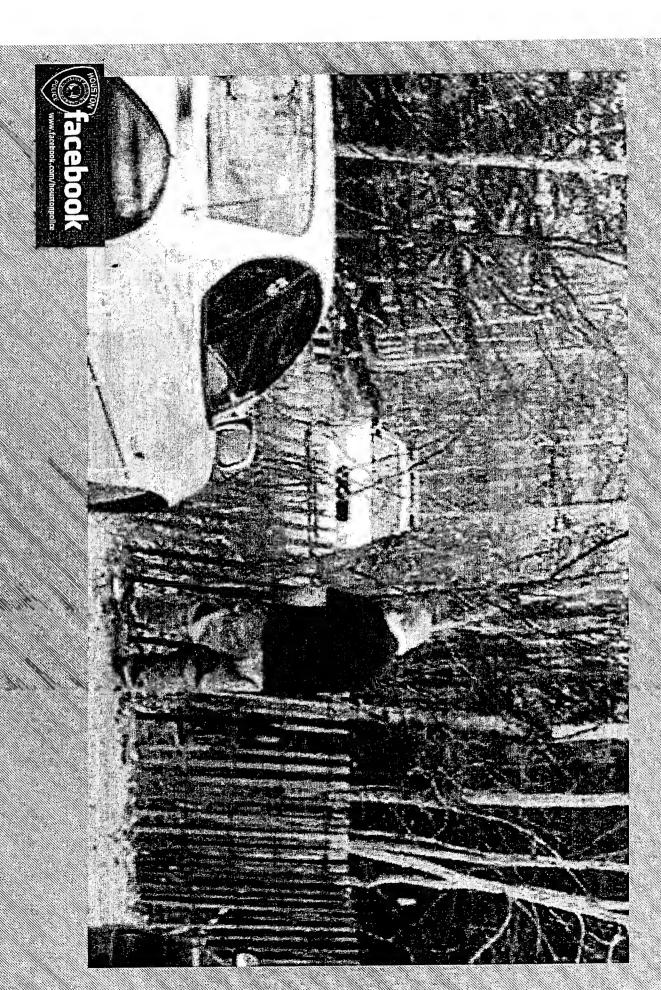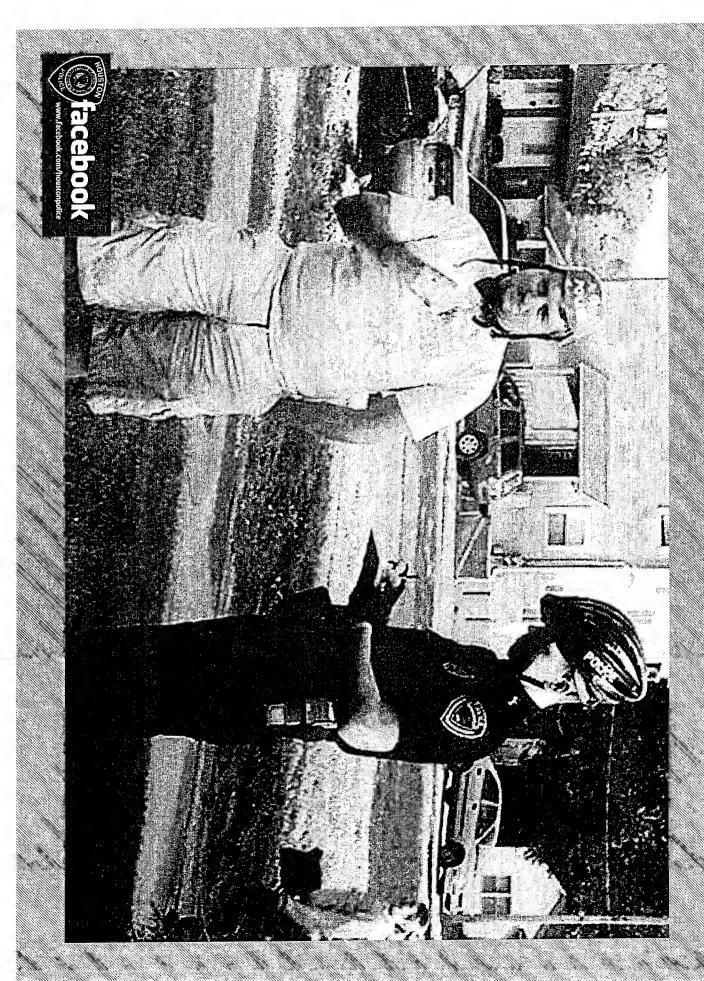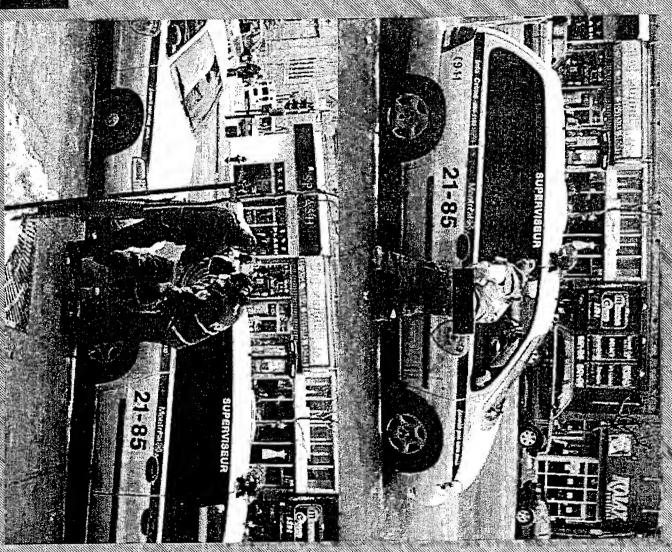
Of course Social Media
works both ways . . . .

The Progression of Meth

2000
2004
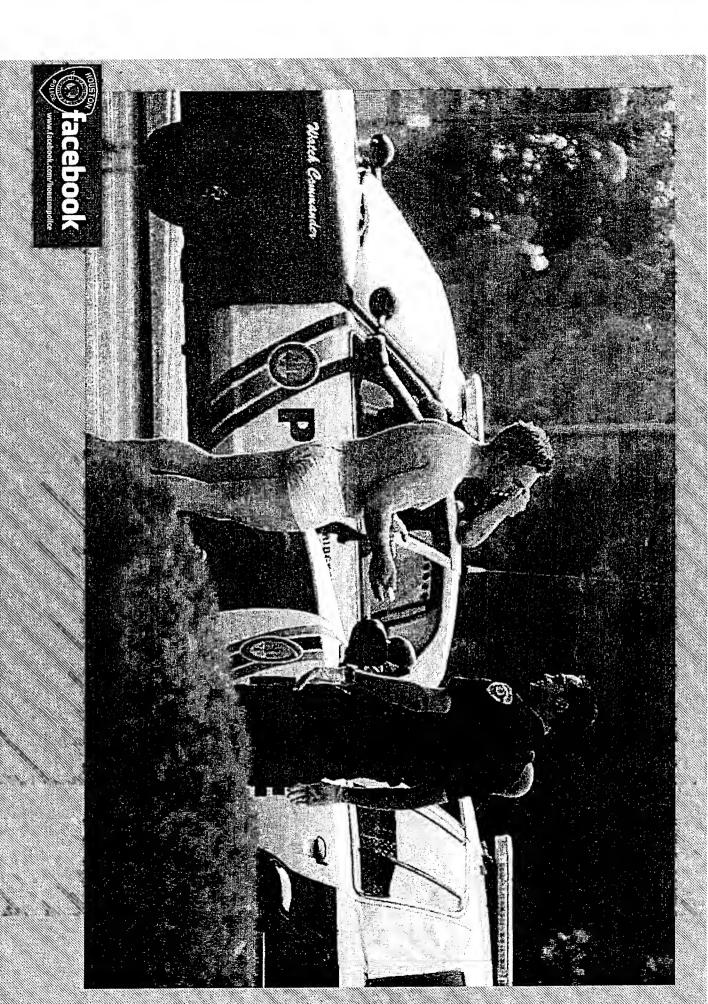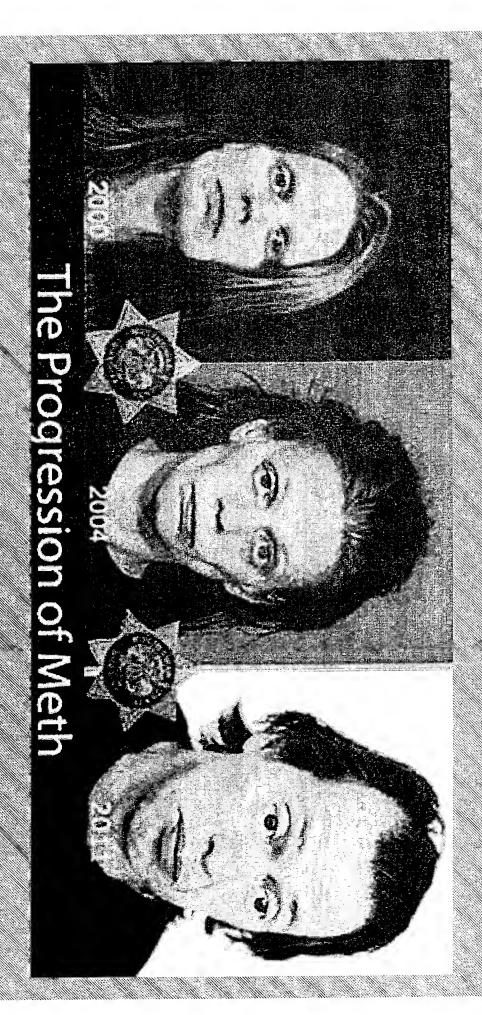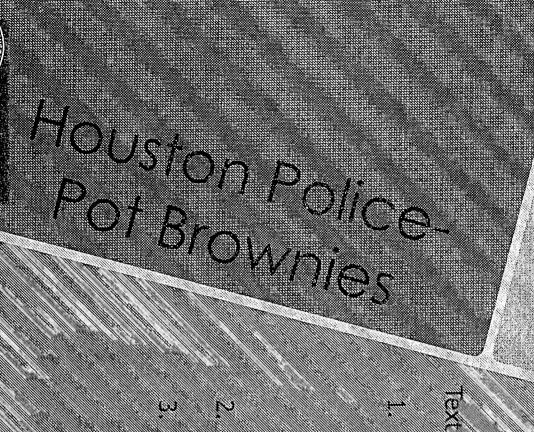
G.O. 200-41

Shall not post material that may harm the reputation of the City, Department or its employees.

Shall not use abusive or inappropriate text to attack colleagues, Department and City, or policies

Employees shall not post derogatory or offensive comments related to their official duties

www.facebook.com/houstonpolice
facebook

Houston Police - Pot Brownies

Text messages on in-car computers

1. At 1:29am, one officer writes one officer to another, "We just got like 5lbs of marijuana and a ton of other crap." (They tagged two and a half pounds)

2. "So high, spaced out, high".

3. At 2:44am that morning, "So HIGH". "Good munchies" writes another officer. Reassuringly the first writes back, "Everything should be open when we get done".

Source: KHHL, 13 & Chron'g

facebook
www.facebook.com/houstonpolice
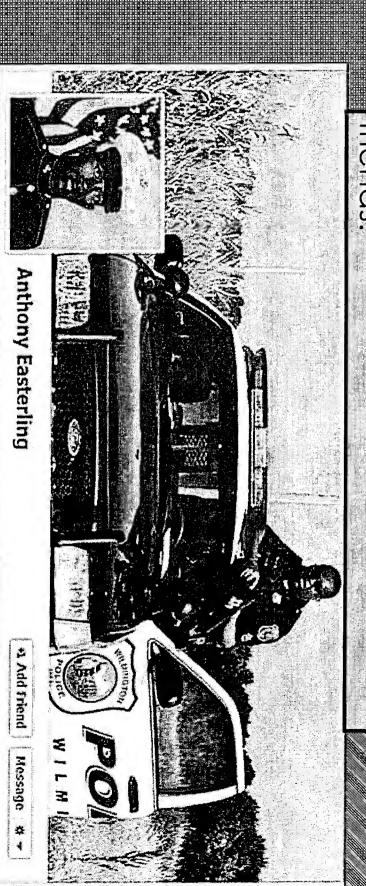
Police sacked for Facebook posts

FORT WORTH — A North Texas sheriff's deputy has lost his job over rants he posted against his boss and two other county employees.

150 U.K. Police Officers Disciplined For Inappropriate Facebook Posts

Facebook posting photo of dead body on Police investigate report of officer

Police officer resigns over Facebook comments

WILMINGTON, Del.- A few days after the Fourth of July, a police officer logged onto his Facebook account and offered some advice to his 1,346 friends.
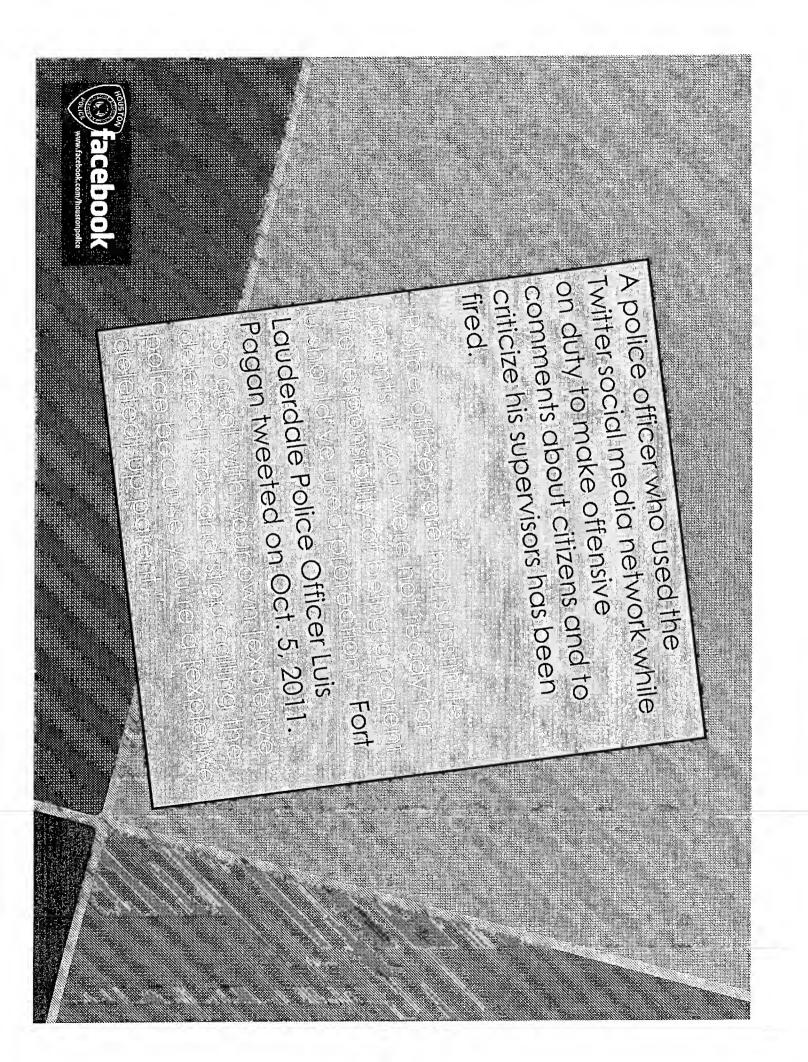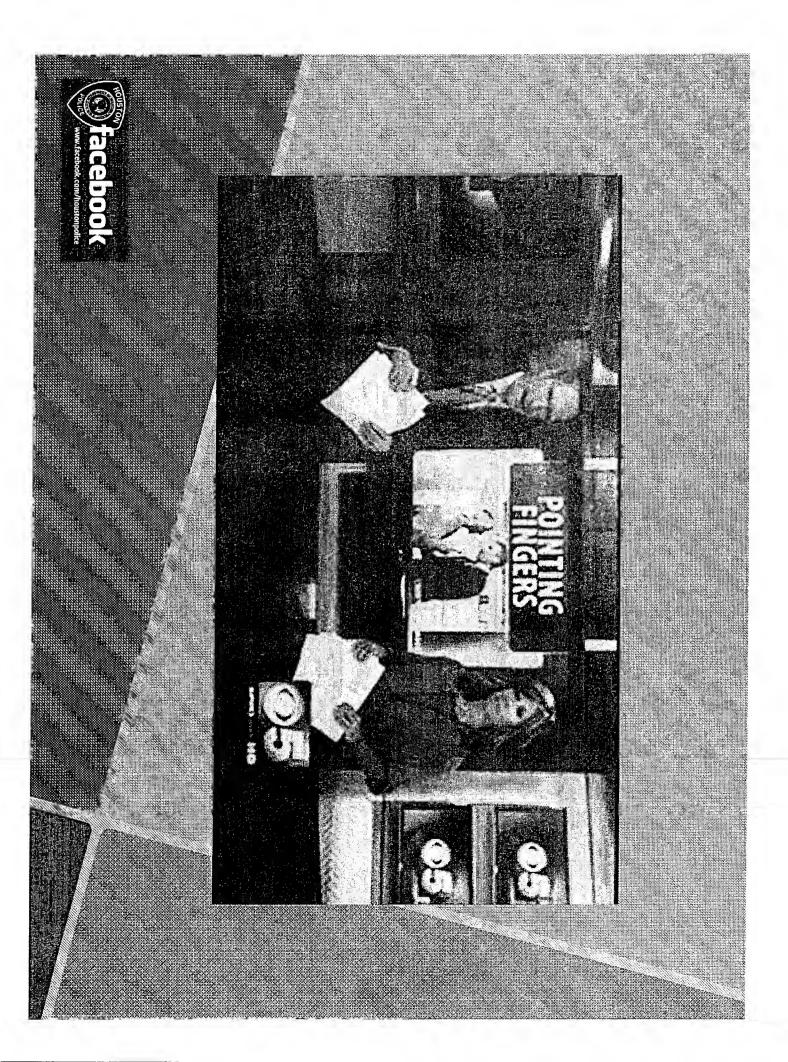
Anthony Easterling

Add Friend

Message

"A word to the wise never
get drunk and trip off of
meds and call a cop a 'N'
results broken jaw and
criminal charges........WPD
for life,"

Officer Anthony Easterling

A Montana police officer who wrote on his Facebook page that there should be a law allowing police to take people to jail for being "stupid" has resigned.

A police officer who used the Twitter social media network while on duty to make offensive comments about citizens and to criticize his supervisors has been fired.

Fort Lauderdale Police Officer Luis Pagan tweeted on Oct. 5, 2011.

POINTING FINGERS
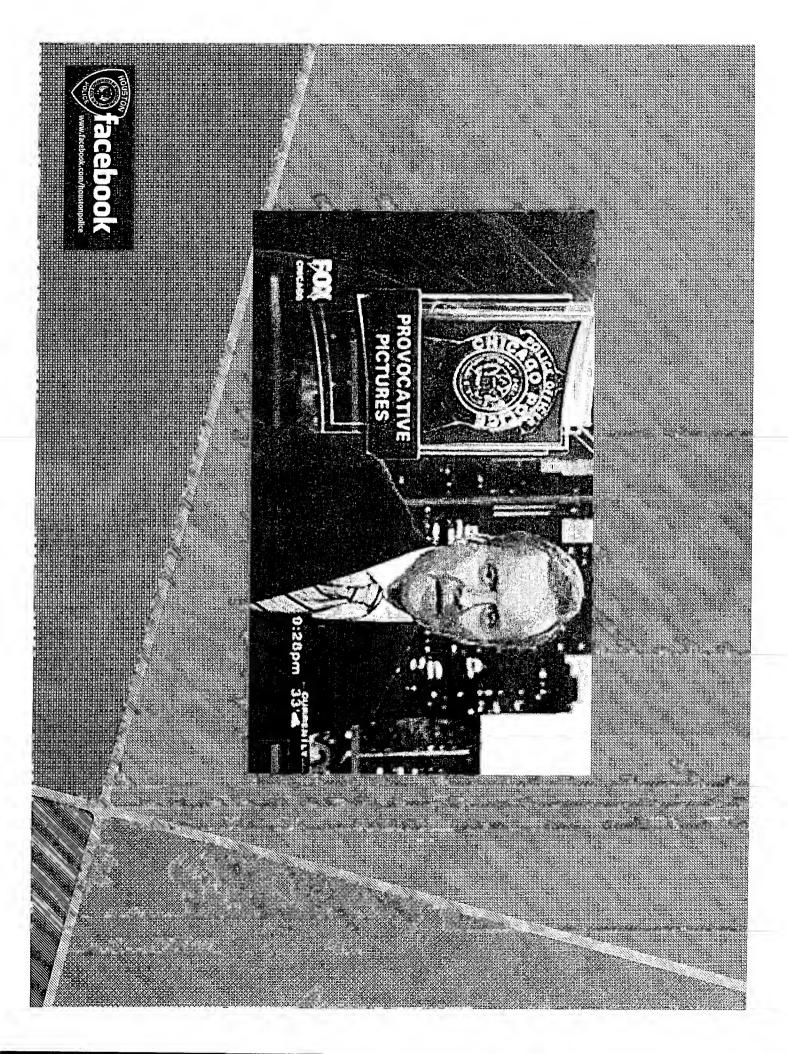
You are responsible for your own actions.

There is a difference between free speech & consequence. You have the right to write whatever you like on your Facebook page but that doesn't mean you won't have to deal with the consequences that arise from what you have written.

Comment from Tomiris at blogs.houstonpress.com

HOUSTON POLICE

www.facebook.com/houstonpolice

facebook
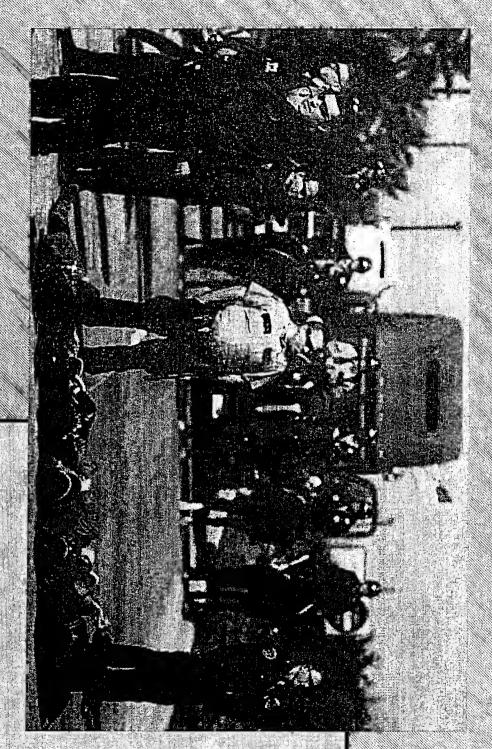
Don't put yourself in a compromising position

facebook
HOUSTON POLICE
www.facebook.com/houstonpolice

Occupy Houston

Is your personal information safe?

Houston Police Chief
Charles A McClelland

Houston, TX

Charles A. McClelland, Jr. is the current police chief of the Houston Police Department (HPD). Joining the department in May 1977, McClelland worked his way up through the ranks, from rookie to assistant chief in 1998.[1][2] before being asked to step in as acting chief. A graduate of the University of Houston-Downtown,[3] University of Houston-Clear Lake,[4] and the FBI National Academy,[5] he oversaw the department's implementation of Tasers [6] and a real-time crime analysis program.[7]

Badge number Chief Place of birth Center, Texas Years of service 1977 – Present Rank

Sworn in as a Police Trainee - 1976
Patrol Officer - 1977
Assistant Chief of Police - 1998
Executive Assistant Chief of Police - 1998
Police Chief - 2010

Postings of all command staff down to Captains appeared on the internet during Occupy Houston...Do you want your information public?

How do
you
conceal
your
address?

Confidentiality Provisions

Texas Tax Code 25.025 permits certain persons to request the Appraisal District restrict from public access to any information in the appraisal district records required by 23.02 that could be used to identify their home addresses.

Classifications eligible to request that their data be made confidential are CURRENT or FORMER Peace Officers.

Fill out Request for Confidentiality form available at www.window.state.tx.us/taxinfo/taxforms/50-284.pdf

www.hcad.org

Driver's License for Peace Officer

Transportation Code Sec. 521.121.1

Adopt procedures for the issuance of a driver's license to a peace officer that omits the license holder's actual residence address

Alternative address must be in the municipality or county of peace officer's residence and is acceptable to the department. (DPS)

P.O. Box
(US mail service, private companies offering P.O. boxes)
Smaller agencies use work address
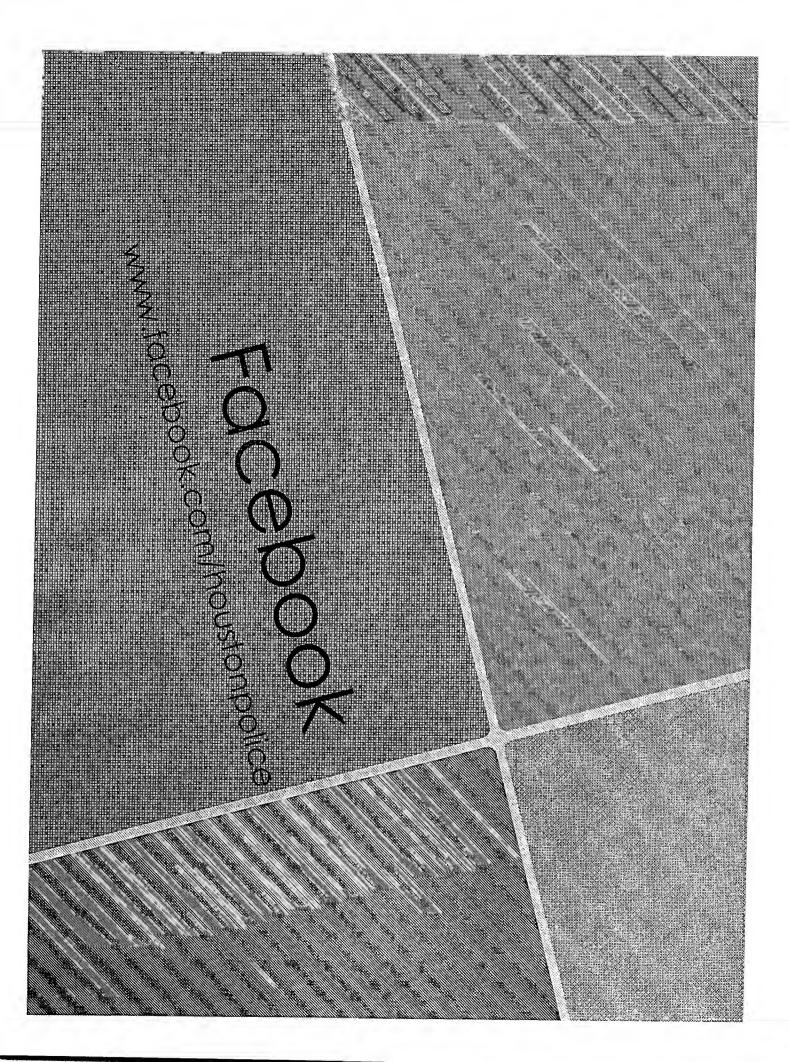
Positive Aspects of Social Media

Facebook
www.facebook.com/houstonpolice

C https://www.facebook.com/Houstonpolice

Little Known Facts ◄ (2) Cross Creek Ranch ☐ New Tab 🔆 Official Seal Maker Ⓥ Japan Invents the Sh... ▸ Texts From Dog ✗ Funny: More cats i

facebook 🔍 92 Search for people, places and things Q Mike McCoy Voice Home ▾

are posting, commenting, and liking as Houston Police Department — Change to Mike McCoy

Admin Panel

Edit Page ▾ Build Audience ▾ Help ▾ Show 11

Houston Police Department

29,731 likes · 2,152 talking about this · 2,016 were here

👍 29,731

✓ Liked ✱ ▾

Houston · Pasadena

Channelv Deer P...

Photos Likes Map Videos

Government Agency
Welcome to the official Houston Police Department Facebook
Page. We welcome your input and positive comments
regarding HPD. If you experience an emergency or need

About

See Your Ad Here

+ Create A Page

Now
July
2012
2011
2010
Joined Facebook

Officers In Action

Tag Photo | Options | Share | Like

Houston Police Department
Liked · August 17

Recently, Senior Officer R. Nidever and Probationary Officer S. Raj were dispatched as the primary unit to an Aggravated Robbery call. Officer J. Nelson heard the robbery call on the police radio and was in the area of the incident. Officer Nelson observed a male walking on the sidewalk matching the description of the possible robbery suspect. Senior Officer B. Conley was also in the immediate area and maintained visual of the suspect until other officers arrived. The suspect ran on foot across all lanes of traffic to an apartment complex. Officer Nelson gave responding units an accurate description and direction of travel of the suspect. It was later determined that the suspect had used a handgun and robbed a victim while she was working as a cashier inside a business.

Officer S. Girard, Officer J. Wilson, Officer D. Davidson, Officer J. Johnson, Officer J. Olive, Officer R. A. Gonzalez, Officer S. Aliva and Officer J. Cruz responded quickly to the scene to search the immediate area and set up a perimeter for the K-9 unit which was heading to the scene as well. K-9 Officer M. Barnetta arrived on scene and was quickly able to place his dog on the ground to search for the suspect. The K-9 Unit located the suspect hiding in a laundry room located on the third floor of the apartment complex without any officers or citizens getting injured. Senior Officer Nidever and Probationary Officer Raj brought the

Write a comment...

(90) Houston Police Departme × | (2) Cross Creek Ranch □ New Tab | Official Seal Maker | Japan Invents the Sh... | Select a photo effect | Texts From Dog | Funny! More cats in cr... | Google | Texts From Dog

https://www.facebook.com/photo.php?fbid=10150947615597208set=a.103926139719.886.88.1033500097158type=18theater

Some Little Known Facts

facebook
www.facebook.com/houston.police.d

Wall Photos

Tag Photo   Options   Share   Like

Houston Police Department
Liked · June 29 ⏷

Texting and Driving: When a driver texts while driving, his reaction time will decrease by 35%. When texting, steering capability goes down by a tremendous amount: 91%.
A driver is twenty three times more likely to get into a car accident while driving and texting. Drivers are also six times as likely to get into a car accident while dialing a number into their cellular devices.

Speeding: Speed i...See More

☞ **Tag Photo** ⚐ **Add Location** ✎ **Edit**

👍 Like · Comment · Share · Edit

👍 153 people like this.

💬 227 shares

☐ View previous comments

Sheila Wiora What about texting and biking?
June 29 at 2:00pm · Like

Drew DuPre I understand that we need to be safer on the road but last time I check drunk driving kills more people than texting and driving. They are both bad but lets not loose sight of what really ruins people's lifes
July 2 at 12:58am · Like

Tiffany Burns Mom, chill.
June 29 at 3:20pm · Like

Amber K Coyner True that
July 2 at 1:16am · Like

Mel Nellis Haynie What should someone do or say if you witness a Law Enforcement personnel using his/her phone while driving? My passenger challenged me to photograph the incident, but I wasn't that brave.
July 3 at 9:11am · Like

Cheryl Tilles How's that bumper sticker read? "Honk, if you love Jesus. Text while driving, if you want to meet Him."
July 7 at 4:06pm · Like

Write a comment...

6 of 24

(90) Houston Police Departme ×
https://www.facebook.com/photo.php?fbid=10151035470564720&set=a.10392613971988865.103350509719&type=18theater

Some Little Known Facts   (2) Cross Creek Ranch   New Tab   Official SealMaker   Japan Invents the Sh...   Select a photo effect   Texts From Dog   Funny: More cats in cr...   Google

Houston Police Department
Liked · July 17

Recently, the HPD Mounted Patrol welcomed the
ARC of Fort Bend County (www.arcoffortbend.org)
to their facility. The Arc of Fort Bend County is an
organization that is an advocate for special needs
children and adults. HPD Mounted patrol put on a
demonstration for all who attended. Everyone had
great time learning about horses, Mounted Patrol
duties and even got to feed the horses their favorite
t...See More

Like · Comment · Share · Edit

👍 132 people like this.

💬 24 shares

View previous comments   6 of 7

Darlean Hilton Newman I am extremely
blessed in this life, that my husband is a K9
officer and I get to visit the horses often at the
stables.... They truly love the attention. =)
July 17 at 10:06am · Like
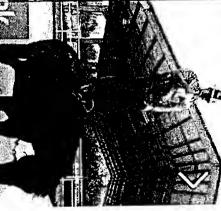
Jamin Stocker Law enforcement helps
maintain class division. Great work HPD.
July 17 at 10:49am · Like

Christel Sundberg Berry Awesomo:) !!!
July 17 at 10:40am · Like

Julie Slocumb Izard ♥
July 17 at 11:04am · Like

Brandi Hammond Shadow surfing!!
July 17 at 12:43pm · Like
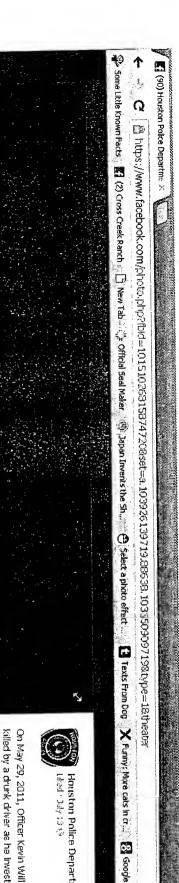
You're First LLC This is wonderful. You're First
LLC we provide pet therapy and respite care to
children and adults in need of special care. We
know the difference an animal can make in the
lives of these children and young men and
women. Thank you Houston Police Department
for taking the time and sharing compassion with
those who came to visit.
July 18 at 8:44am · Like

Write a comment...

Some Little Known Facts   (2) Cross Creek Ranch   New Tab   Official Seal Maker   Japan Invents the Sh...   Select a photo effect ...   Texts From Dog   Funny: More cats in cr...   Google

Wall Photos

Kevin Will
End of Watch
May 29, 2011

Tag Photo   Options   Share   Like

Houston Police Department
Like · July 13

On May 29, 2011, Officer Kevin Will was struck and
killed by a drunk driver as he investigated a hit-and-
run accident involving a motorcyclist on the Loop
610 North, near Yale Street, at approximately 3:15
am.

Officer Will was interviewing a witness to the
motorcycle accident when the drunk driver drove
around barriers and emergency vehicles that were
blocking the closed freeway. Seeing the
vehic...See More

Like · Comment · Share · Edit

👍 424 people like this.

🔁 73 shares

💬 View previous comments

📍 Tag Photo   📍 Add Location   ✏ Edit

                        6 of 63
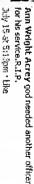
Linda Vavrin "hero" forever, thanks for your
service. To your family my deepest sympathys
July 14 at 8:55am · Like

Steve O Steve Rest in Peace officer Will, my
your family also find peace. Your watch has
ended, your brothers & sisters will take it from
here.
July 14 at 1:12pm · Like

Bryan Ingram that nice
July 14 at 6:44pm · Like

Ann Wright Acrey god needed another officer
for his service.R.I.P.
July 15 at 5:15pm · Like

Frances Marie Lemley-Ball My prays go out
to the family, I lost my brother officer Francis
Eddie Wright in '75 to a hit & run driver same as
Kevin
July 15 at 7:30pm · Like

#TAXI We send our thoughts and prayers to
the family and all who serve and try to prevent
such tragedies

Write a comment...

https://www.facebook.com/photo.php?fbid=10151103641304720&set=a.103326139719.856638.10335090971&type=1&theater

Nosing around for a new career?

WWW.HPDCAREER.COM

Houston Police K-9 "Ajko"

Houston Police Department
Liked · August 17

Add a description

Tag Photo   Add Location   Edit

Like · Comment · Share · Edit

208 people like this.

19 shares

View previous comments

6 of 13

Aaron Paul Hamilton EOY YOU GOT A BIG
N??????!!!!!!!!!!
August 17 at 8:14pm · Like

Houston Police Department Thank you for
supporting the HPD Facebook Fan Page.
August 20 at 6:49am · Like

Elias Cussi David you're welcome
August 30 at 1:11pm · Like

Jose Juan Godoy YOURWELCOME
August 22 at 11:17am · Like

...

Write a comment...

"Alpos"

www.facebook.com/alposhouston
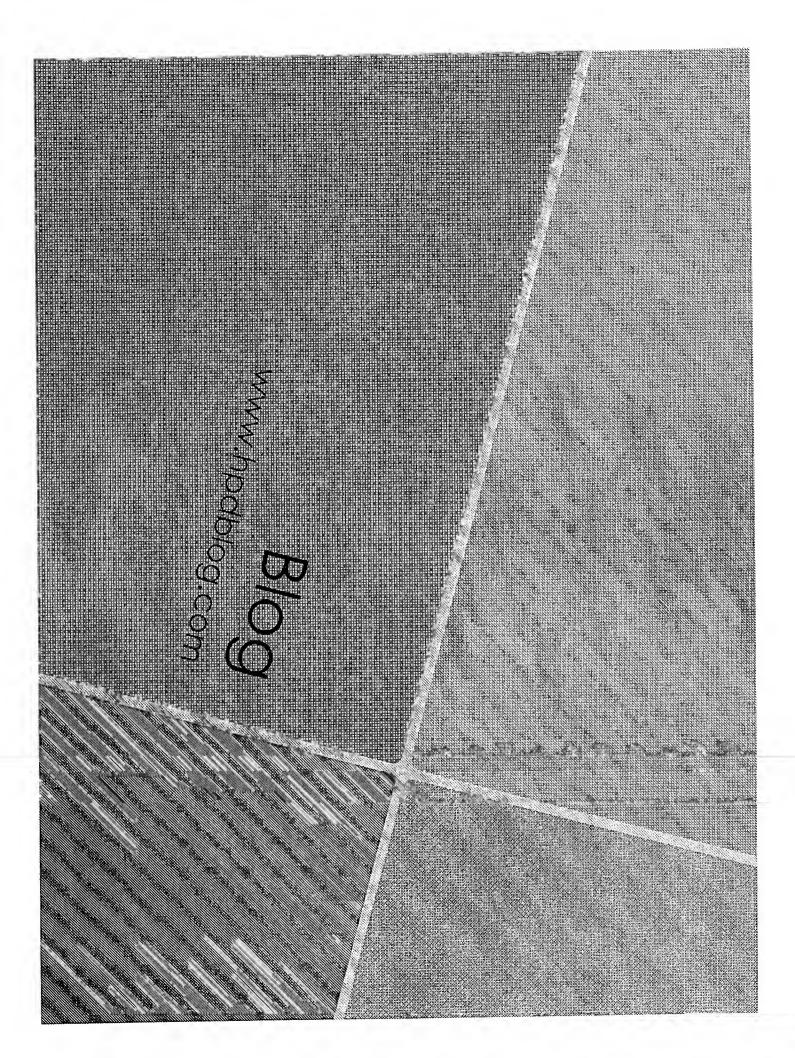
This "Friend Page" has garnered thousands of dollars in private donations

facebook

https://www.facebook.com/alposhouston

New Tab | Cross Creek Ranch | Official Seal Maker | Japan Invents the Sh... | Select a photo effect ... | Texts From Dog | Funny: More cats in a... | Google

Search for people, places and things

Alpos Houston | Home

Alpos Houston

40789

Update Info   Activity Log ▼ ✱ ▼

✏ Change Cover

About

⊞ Worked at Houston Police Department
⚑ Studied at Houston Police Department
🏠 Lives in Houston, Texas
✿ From Houston, Texas

Friends 1,217   Photos 61   Map 8   Likes 24

Sponsored

Choice ER
CHOICE+ER
24/7

Now
August
July
2012
2011
2010
2009
Born

Visit our Page and Like us today! We're at the northwest corner of Mason and Highland Knolls. There's no wait!

🖒 Like · 1,373 people like this.

Gene Yanchak commented on Allen Fletcher's photo:
"congratulation Grandpa... Beau..."

Rob Sheppard likes The Florida Times-Union's status.

Chris Hill likes Law Enforcement

Amy Griffin
Barb Lance
Barry McClung
Bobby-Rae Ridgway
Charla Scott
Christopher Whitmore
Christy Smith
Chuck Comeaux
Colby Pickering
Cole Finch
Deb Wyrzykowski
Gordon Dilmore

Blog

www.hpabblog.com

Houston Police Department

Recruiting

Run With Your Recruiter - (Friday) September 21, 2012

Friday, July 8, 2012

Run With Your Recruiter

Physical Agility Test
Click here to watch the video! ✕

Run With Your Recruiter
Next Event September 21, 2012 ✕

Currently Accepting Applications

Click here for more information! ✕

Ask Officer McCoy

Houston Police Department
C www.hpdblog.com/2011/10/210-update-officer-gemmill.html
Some Little Known Facts   (2) Cross Creek Ranch   New Tab   Official Seal Maker   Japan Invents the Sh...   Select a photo effect ...   Texts From Dog   Funny: More cats in cr...   Google

Houston Police Department

Recruiting

Run With Your Recruiter - (Friday) September 21, 2012

210 Update - OFFICER Gemmill

Wednesday, October 12, 2011

I can't believe that I have graduated from the academy and in my field training program already. During the academy time seemed to crawl by, but looking back at it now, it seems the time I spent there just flew by.

It was amazing how many people — our family, friends, and fellow officers showed up at our graduation. I felt really proud to be marching with the rest of 210 and receiving my badge with them. We all worked so very hard to get to the end and have the badge finally placed on our uniform.

Physical Agility Test
Click here to watch the video!

Run With Your Recruiter
Next event September 21, 2012

Currently Accepting Applications
Click here for more information

Ask Officer McCoy

Houston Police Department: r ×
C — www.hpdblog.com/201207/history-cf-hpd.html
Some Little Known Facts | (2) Cross Creek Ranch | New Tab | Official Seal Maker | Japan Invents the Sh... | Select a photo effect... | Texts From Dog | Funny: More cats in cr... | Google

Houston Police Department

Recruiting

Run With Your Recruiter: (Friday) September 21, 2012

History of HPD

Tuesday, July 31, 2012

AUGUST 1955

THE HOUSTON POST, TUESDAY...

POLICE SCHOOL GOES CO-ED

"Police Chief Jack Heard shows four policewomen trainees—the first
row of the police training school—around the station. The women
are, left to right, Mrs. Jo Bankston, wife of Patrolman J. C.
class of 51 police training school—around the station. Two are wives of officers. They
breaks Halverson, Mrs. Jo Bankston, wife of the station. The women were the first in the his-
dally Timmer Vasquez.—Post Photo, wife of Patrolman B. L.
Daily Timmer Vasquez—Post Photo

Courtesy...

Physical Agility Test
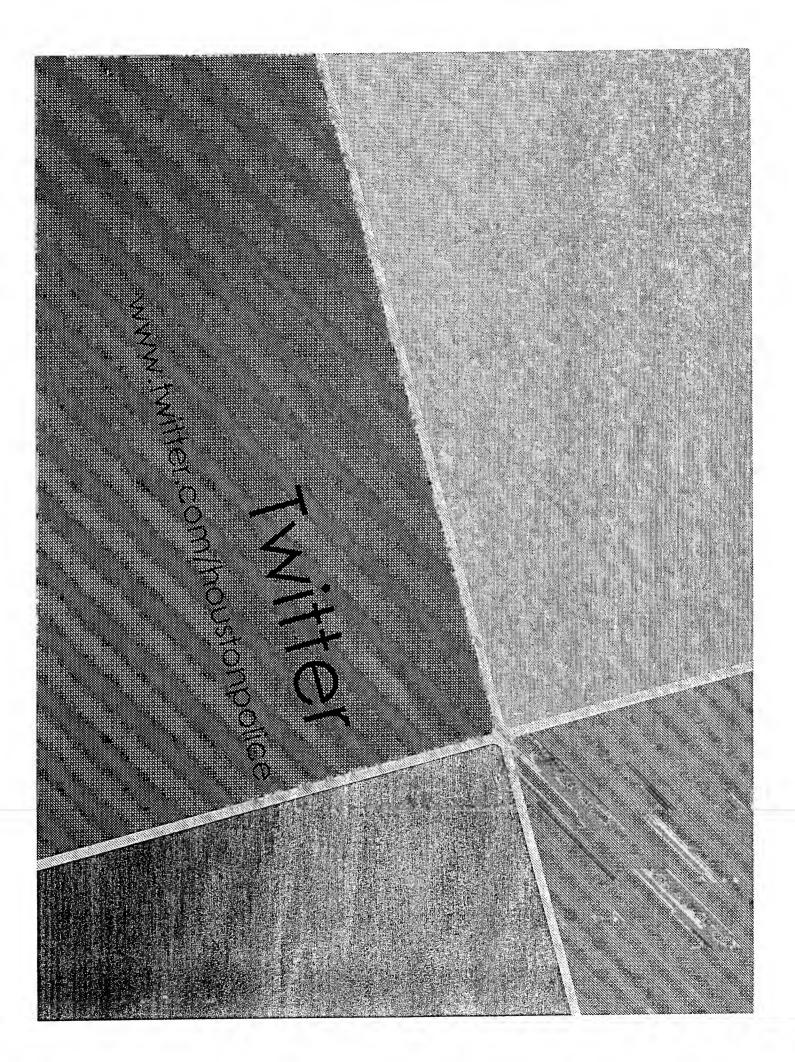Click here to watch the video!

Run With Your Recruiter
Next event September 21, 2012

Currently Accepting Applications

Click here for more information

Ask Officer McCoy

Houston Police Department: I ×

www.hpdblog.com/2012/05/its-much-more-than-fighting-crime-its.html

Some Little Known Facts | (2) Cross Creek Ranch | New Tab | Official Seal Maker | Japan Invents the Sh... | Select a photo effect... | Texts From Dog | Funny: More cass in cr... | Google

Houston Police Department

Recruiting

Run With Your Recruiter - (Friday) September 21, 2012

Tuesday, May 29, 2012

It's much more than fighting crime, it's about serving your community.

facebook

Physical Agility Test
Click here to watch the video!

Run With Your Recruiter
Next event September 21, 2012

Currently Accepting Applications
Click here for more information

Ask Officer McCoy

Twitter

www.twitter.com/houstonpolice

houston police

@houstonpolice

Houston, Texas · http://www.houstonpolice.org

Tweets

houston police @houstonpolice   16 Aug
HPD is now working to determine the status of these identified kits.
Testing is being both conducted in-house and outsourced. #hounews
Expand ← Reply ⇄ Retweet ★ Favorite

houston police @houstonpolice   16 Aug
Chief: HPD has made strides in the testing of sexual assault kits. An
inventory has been completed #hounews
Expand

houston police @houstonpolice   16 Aug
Chief: HPD is prepared everyday to protect all citizens throughout
Houston, including all educational and religious institutions.
#hounews
Expand

houston police @houstonpolice   16 Aug
Harris County remains at the top with the number of fatality accidents
with impaired drivers. This number needs to change. #hounews
Expand

houston police @houstonpolice   16 Aug
Chief: Labor day holiday is near. Many times there are an increase in
accidents. Remember - don't drink and drive #hounews
Expand
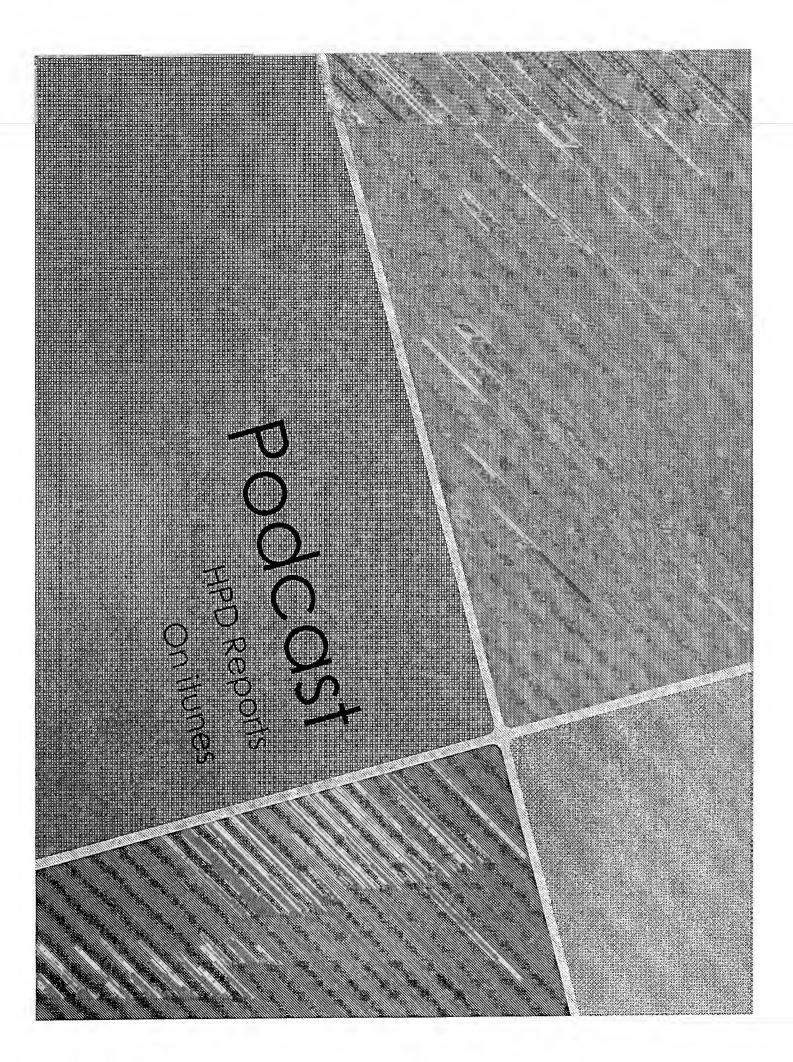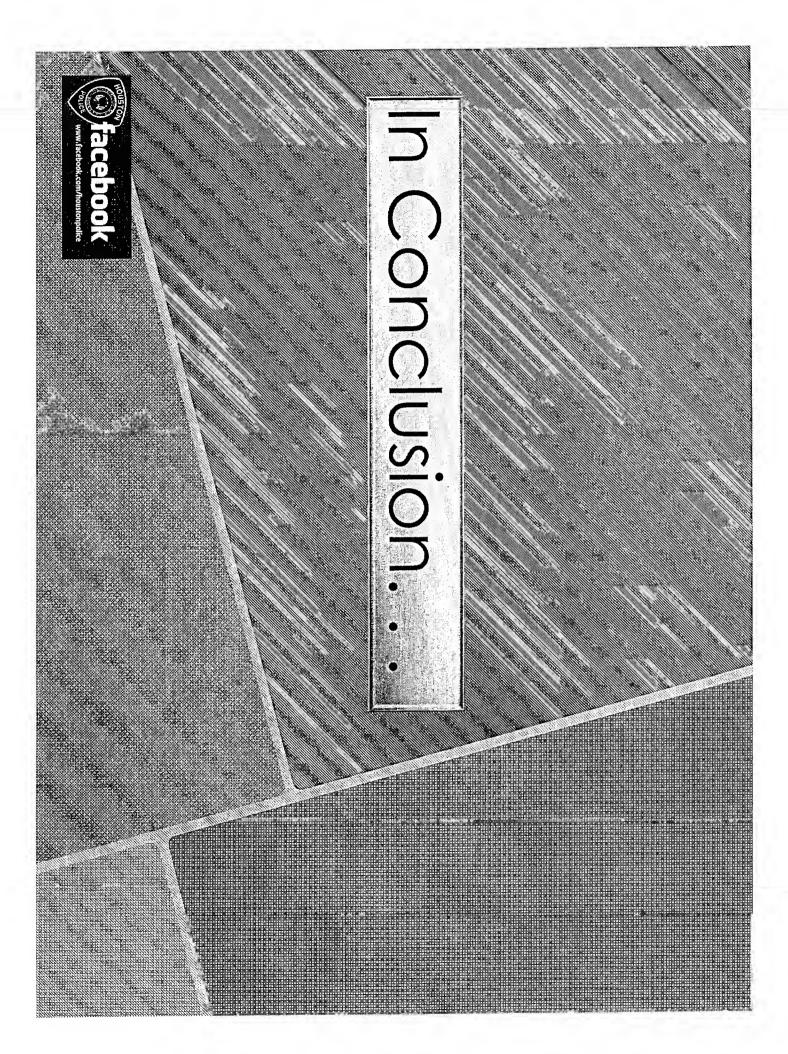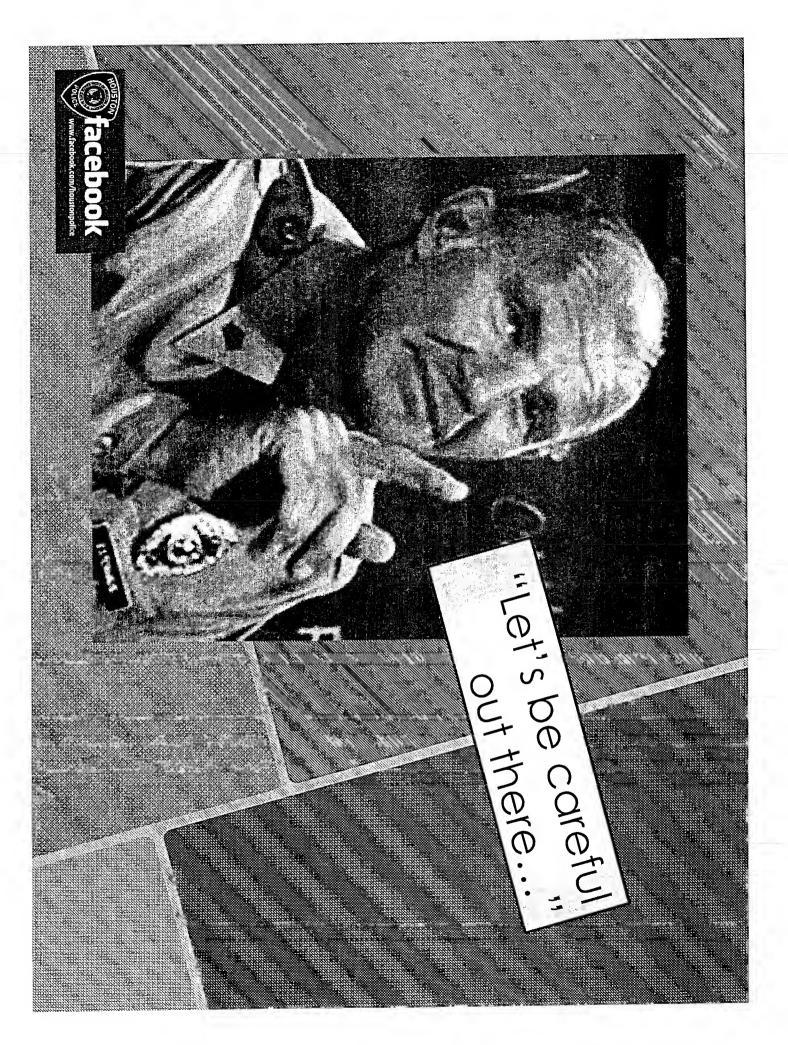
houston police @houstonpolice   16 Aug

Follow houston police

Full name

Email

Password

Sign up

Tweets

| Following |
| Followers |
| Favorites |
| Lists |
| Recent images |

Podcast
HPD Reports
on iTunes

HPD Reports

In Conclusion......

"Let's be careful out there..."

Texas Commission On Law Enforcement
Officer Standard And Education

Houston Police Academy

Instructor Lesson Plan

Subject: Investigations-Using Social Media

Unit: Criminal Investigations & Technology

TCLEOSE#: 3200   **HPD#:** 2926

Instructors: SPO John N. Johnson, CISSP, CEH   **Phone:** ▓▓▓▓▓▓▓▓▓
                  SPO Gordon M Garret   ▓▓▓▓▓▓▓▓▓

Time Allotted: Eight (8) hours

Instructor Aids: PowerPoint presentation, digital projection system

Student Materials: None

Prerequisite Experience of the Learners: Assigned to investigative division or unit

Goal: The objective of this course is to prepare investigators to use social networking and social media sites for investigative purposes while protecting privacy and staying within law enforcement professional guidelines.

A secondary objective is to understand the operating rules of the various social media sites, none of which are uniformly defined by service providers or understood by the people who use the service.

Date Prepared: November 8, 2011   **Date Revised:**

Prepared By: SPO John N. Johnson, CISSP, CEH, SEC+   **Revised By:**

1

Course Schedule

1st Hour

       0800-0815 - Introduction and discussion of course goals

       0815-0850 - Introduction to Social Networking Sites

       0850-0900 - Break

2nd Hour

       0900-0950 - Overview of Key Social Networking Sites

       0950-1000 - Break

3rd Hour

       1000-1050 - Case Studies and Review of Successful Investigations

       1050-1230 - Lunch

4th Hour

       1230-1320 - Capturing Evidence and Working with Site Administrators

       1320-1330 - Break

5th Hour

       1330-1420 - Utilities and Resources

       1420-1430 - Break

6ht Hour

       1430-1520 - Additional Legal and Practical Issues

       1520-1530 - Break

7th Hour

       1530-1600 - Review and Q/A

Instructor Lesson Plan
(1st Hour)

Subject: 1st Hour - Introduction to Social Networking Sites

Unit: Criminal Investigations & Technology

Time Allotted: 35 Minutes (0815-0850)

Learning Objectives: Understanding what social networking is and the various Internet sites and services that exist, and how they are used.

Lesson Objectives:

1. Acquaint the Learners with the vast number and types of social networking and social media sites.
2. Discuss how social networking sites operate, the services provided by each site, and the potential utility of information contained within each site for the legitimate investigation of criminal offenses.

Preparation: Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

Presentation: Presentation will be lecture-based supported by PowerPoint presentation media.

Key Topic Points   Elaboration on Key Points

Key Topic Points	Elaboration on Key Points
What is Social Networking	Social networking sites provide people with a virtual environment where they share stories, pictures, videos, and participate in chat rooms with friends and acquaintances.
Examples of Social Networking sites	Facebook – general Myspace.com – general Twitter - micro-blogging LinkedIn – professional Classmates.com - school, college, work, and the military YouTube – videos Craigslist - classifieds & personal ads Zynga – online games
The Rise of Online Social Networks	Review of Social Networking and Social Media sites, popularity based upon subscribership, demographics, regional

	influence, subscriber interests, and site capabilities
	Social networking sites have a wealth of information but also can be full of pitfalls and danger. Law enforcement officers should have a basic understanding of social networking sites and the utility and dangers they present.
	Any attempt to definitively understand technology opens a huge can of worms. The problem is the advancement of technology basically doubles every 10 years. It is hard to keep up, because once training is developed and conducted, new technology and new uses of the technology occur.
	The Internet itself is still a rather new tool to society. It was only two decades ago when it was first available for public consumption.
	According to the Pew Internet & American Life Project (2010):
	75% of U.S. Internet users between the ages of 18-24 and 57% of users between the ages of 25-34 have a profile on a social networking site.
	Of those, 51% have more than one profile.
	36% allow everyone to view their profile.
	96% have "friends" they have never met face-to-face.
	The 2010 global average time spent per person on social networking sites was ~ 5.5 hours per month.
The Basics – How Social Networking Works	Unlike traditional Web sites, where users are limited to passive viewing, social networking sites permit users to create personal profiles; post photographs, videos, and audio clips; write blog entries and status updates; send and receive private messages; and link to pages of others ("friends")
	It is not uncommon for a person on Facebook,

	MySpace or other social networking sites to have 300 plus friends located all around the globe.
	From a law enforcement perspective, there are three basic criminal uses for social networking sites:
	1) Recruitment – i.e. Gangs and/or narcotics – what age group are they targeting; go where they are.
	2) Intimidation – i.e. Gangs and/or criminal enterprises – send broad messages to your affiliates, rivals, and possible informants
	3) Operations – Private profiles provide a powerful collaboration platform with very weak attribution
Utility In Criminal Cases	Evidence from social networking sites can:
	1) Reveal personal communications
	2) Establish motives and personal relationships
	3) Provide location information
	4) Prove and disprove alibis
	5) Establish crime or criminal enterprises
	6) Lead to discovery of instrumentalities or fruits of crime
Things To Look For	1) Name, date-of-birth (age), sex, race, current geographical location, hometown, high school/college attended, preferred E-mail address, cell phone number, sexual preference, relationship interests, clubs and affiliations, favorites movies and TV shows, favorites books, favorite quotes, employment type and title, work history, etc
	2) picture, audio, and video files
	3) Meta data

	4) Information concerning URLs and "favorite" sites
	5) Internet protocol addresses and other location identifiers
	6) Internet Service Provider address and Internet subscriber information
	7) Social networking profiles of friends and associates
	8) Business and personal activities
	9) Frequency of postings or site usage
	10) Social, business, and other group affiliations
	11) Evidence of uploaded content and postings
	12) Payment method in those very few instances where services are not free

Instructor Lesson Plan
(2nd Hour)

Subject: 2nd Hour – Overview of Key Social Networking Sites

Unit: Criminal Investigations & Technology

Time Allotted: 50 Minutes **(0900-0950)**

Learning Objective: Understanding the most popular social networking sites and the features they provide.

1. **Lesson Objectives:** Acquaint the Learners with the most popular social networking and social media sites.
2. Discuss the functionality and services of the most popular sites, how they operate, the profiles (characteristics) of typical users of each site, and the potential utility of information contained within each site for the legitimate investigation of criminal offenses.

Preparation: Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

Presentation: Presentation will be lecture-based supported by PowerPoint presentation media.

Key Topic Points	Elaboration on Key Points
Facebook	1) Founded in 2004, initially catering to students 2) 35 years and older is the largest growing demographic group 3) Now over 800 million active users worldwide 4) More than 50% of active users log-on in any given day 5) Average user has 130 friends 6) Average user is connected to 80 community pages, groups and events 7) More than 7 million apps and websites are integrated with Facebook 8) More than 350 million active users currently access Facebook through their mobile devices 9) Source: http://www.facebook.com/press/info.php?statistics (11-9-2011) 10) Over 480,000 new members join every day 11) Over 30 billion photographs stored system-wide; Facebook adds an estimated 1 billion additional photographs each month

	12) Subscribers are encouraged to use their real names but not guaranteed 13) Privacy model is highly granular; presents different information to different groups or individuals; Recent changes in privacy settings as a result of criticism but new features are typically not very private 14) Messaging includes mail, real-time chat, and each user's "wall" 15) Frequently used in private background checks and pre-employment screening 16) Site functionality has been used to deliver viruses and malware, and to provide Command & Control for network Bots
MySpace	1) Founded in 2003; now owned by Fox Interactive Media 2) Was most popular social networking site in 2006 3) Hit 100 million accounts on August 9, 2006 4) Was passed-up in popularity by Facebook in 2008 5) Currently has 64.2 million active users 6) The use of true names is less encouraged that Facebook 7) Messaging through Instant Message, Chat, and Friend Updates 8) Application platform added in 2008 in response to Facebook's platform 9) Younger user base; history of child safety concerns 10) Privacy is less granular and less effective than Facebook's settings
Twitter	1) Began in mid-2000 as a "status message" service but has become the leader in 'micro-blogging" - subscribers use mobile devices to maintain presence 2) Over 200 million registered users but only ~75 million are active. 3) Average usage is approximately 600 tweets per second. 4) Highly cross-platform capable and easy to use but storage space is limited 5) Popularly used for Breaking news and real-time updates of events 6) Multi-media is handled by 3rd party links to other providers 7) Popular with hacking groups, including Anonymous 8) Simple privacy model: updates are either

	Public or Private 9) Direct messages are private; Sender can delete messages even after they are sent 10) Stores shortened versions of URLs which are used to direct other users to resources – also is used to spread malicious links and program code 11) Most Twitter profile information is public, so anyone can see it 12) A Twitter profile contains a profile picture, background image, and status updates called Tweets 13) Users have the option to fill out location information, a URL, and a short "Bio" section about themselves for display on their public profile 14) Twitter does not provide multimedia (photos or videos) hosting other than for a user's profile picture and account background image, and therefore is not able to provide images or videos that a user may share through their account via any 3rd party
WordPress	1) WordPress started in 2003 as a service where everyone could be empowered with a voice. It has grown to be the 2) largest self-hosted blogging tool in the world, used on millions of sites and seen by tens of millions of people every day. 3) WordPress started as just a blogging system, but has evolved to be used as full content management system and so much more through the thousands of plugins, widgets, and themes 4) WordPress is a free blogging tool and publishing platform. WordPress is used by over 14.7% of Alexa Internet's "top 1 million" websites and as of August 2011 powers 22% of all new websites on the Internet.
LinkedIn	1) Business-focused with enforced limits to interaction between users 2) Currently at 90 million user accounts spread over 200 countries 3) Currently has 21.4 unique active users each month 4) 25 years to 35 years is the largest demographic group 5) Targets professionals allowing members to create a profile describing professional backgrounds and facilitates communication

	with others
	6) Profiles segregated based on education and/or work experience
	7) Use for criminal communications appears to be limited
	8) Can be used to identify people with certain knowledge areas/expertise
	9) No reliability checks performed on profile information
	10)

Instructor Lesson Plan
(3rd Hour)

Subject: 3rd Hour - Case Studies and Review of Successful Investigations

Unit: Criminal Investigations & Technology

Time Allotted: 50 Minutes (**1000-1050**)

Learning Objectives: Understanding case studies and investigations involving social networking evidence.

Lesson Objectives:

1. Acquaint the Learners with various outside (non-HPD) and inside (HPD) investigations that made use of social networking.
2. Acquaint the Learners with the implications of social networking to prosecution of offenders
3. Acquaint the Learners with the implications of social networking for defense of offenders

Preparation: Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

Presentation: Presentation will be lecture-based supported by PowerPoint presentation media.

Key Topic Points	Elaboration on Key Points
Outside Investigations	1) Swave Carter, 19, of Cleveland, OH was arrested for robbery, kidnap, and assault after investigators noticed him wearing a coat in his Facebook profile which was stolen from a 17-year-old robbery victim. 2) Rudy Guede, wanted in the murder of British student Meredith Kercher was arrested in Germany after being on the run for almost a year. The trail leading to Guede was cold until he logged into Facebook, enabling police to trace his computer. Guede is serving a 16-year sentence while co-defendants Amanda Knox and

11

Raffaele Sollecito were acquitted on appeal.

3) Louisville, KY police arrested Shaun South and are looking for his friend, Kyle Bieber, after it was learned they had committed a series of burglaries and were bragging about it on South's Facebook profile.

Investigators sent South a friend request posing as an attractive young female.

The pair were planning additional crimes using Facebook messages and chats.

4) A retired HPD Officer working in Austin County as a financial crimes investigator had a case involving a woman who met a man on an Internet dating site. The man moved in with her, used her credit cards, and moved out before she got the bill.

To locate the suspect, the investigator posted a fictitious Facebook account as a female and sent the suspect a friend request. After flirting with the suspect for a while, a date was arranged. The suspect was arrested when he arrived for the date. The investigator said, "He never figured out what happened. He was just "bummed that he never got to meet the pretty lady he had a date with".

5) When 23-year-old Eric Walsh of Wilmington, DE overdosed on heroin the day after Christmas in 2009, Detective Pat Nally turned on Walsh's computer and looked at his Facebook and MySpace pages for clues.

The profile led to the discovery of conversations between Walsh and his associates to buy and sell drugs.

According to Nally, "People arrange to

12

	buy and sell drugs on Facebook; there's talk of what they may do and where they may go. We'd be foolish not to use it as an investigative tool."
	6) It wasn't a pretty picture for Crown Heights heroin dealer Tyrell "Handsome Rell" Blue, whose MySpace page featured a photo of himself with a wad of cash and a claim that he earned $250,000 a year selling drugs at several night clubs.
	That information was used against him he was charged with five others with multiple counts of trafficking and selling narcotics.
	7) James Roberts, 27, bragged on his MySpace page a day after he mugged a man at a bus stop.
	Roberts sealed his fate with pictures of himself and his ill-gotten gain, which included an expensive watch and ring he swiped from the victim.
	Detectives showed the photo to the victim, who identified him and the stolen ring. Roberts and his partner, Darryl Calier, are serving five years each for robbery.
	8) Awais Younis, 25, also known as Mohhanme Khan and Sundullah Ghilzai, of Arlington, VA was charged with communicating threats after posting on Facebook that he intended to put pipe bombs on Metro cars in Georgetown at rush hour.
	Younis had posted instructions on Facebook about making pipe bombs and was chatting about what kind of shrapnel would cause the most damage.
	9) Detailed Case Study: The Murder of Kim Proctor
HPD Investigations	1) HPD's Recruiting Division exercised

good due diligence by checking a prospective police cadet through social networking sites. The prospective employee was found to have a profile where he had posted photos of himself with gang paraphernalia and weapons.

Further investigation revealed that the candidate was a former (or possibly current) gang member. The candidates' application for employment was denied.

Researching social networking sites prevented the department from hiring a person who could have, at the least, been a gang sympathizer.

2) An Officer with IFR was working an identity theft case. The primary suspect, Chanette Bell, was identified as a suspect in stealing identities, obtaining credit, and placing orders for gift cards at various locations. One location was able to provide clear video footage of the suspect and her accomplices, who were unknown.

The investigator searched Facebook and learned the suspect had a Facebook profile. Her profile led to the profiles of Keyonna Randle and her boyfriend, Lakeith Bell. Photographs of all suspects were subsequently identified as being the persons in the crime scene video.

All three were charged with Engaging in Organized Criminal Activity.

3) A Robbery investigator set up a fictitious Facebook account sent friendship requests to suspects who had Facebook profiles.

This made it possible to access to the suspect's photos, posts, and acquaintances, allowing the investigator was to discover leads that would have otherwise gone undetected.

Topics on Prosecution	1) Tell your victims and witnesses NOT to communicate about the case or the suspect at ALL, let alone on Facebook, MySpace or any other such forum.
	2) Always be professional – remember that you are a police officer 24/7. Don't say anything you would not want attributed to you or the department on the front page of *The New York Times*
Topics on Defense (Case Studies)	1) Defense Attorney Steve Balash of Santa Barbara was defending Jessica Binkard in a DUI case where in which one of Binkard's passengers was killed.
	Balash expected Binkard would be placed on probation but, instead, she was sentenced to 5 years and 4 months behind bars – in large part because her MySpace profile had a picture of her holding a shot glass and an alcohol advertisement that was published after the accident.
	Balash argued that the picture was a Halloween costume and that his client had not been drinking. According the Balash, "That's all the judge talked about. He never got past that." He said Binkard had "learned no lesson and showed no remorse."
	2) June 2010 – Matthew Cordova got 5 years in prison for holding up a University of Arizona student with a gun.
	Jonathan Mosher, a deputy county attorney in Pima County found a MySpace picture of Cordova holding the weapon and postings about it.
	"At sentencing, the defense team was trying to portray him as a guy who had found religion and was very peaceful and hadn't been in much trouble, so that's where we were able to use his MySpace posting and photo, " Mosher

said.

3) Joshua Lipton was sentenced to 2 years in prison for seriously injuring a woman while driving drunk.

A photo showing Lipton dressed in an "inmate" Halloween costume labeled "jail bird', was taken two weeks after the accident and posted on Lipton's MySpace page.

Prosecutors used it to paint Lipton as an unrepentant partier who lived it up while his victim recovered in the hospital.

A judge agreed, calling the pictures depraved while sentencing Lipton.

4) In the case of U.S. v. Gregory Alan Ebersole, 263 Fed. Appx. 251 (3rd. Cir. 2008), The defendant's MySpace page was admitted at a supervised release revocation hearing after prosecutors found a posting of the lyrics to a Skanska song called "*Justice Is Coming*" – which go like this:

I used to love her,
but I had to kill her,
I had to put her,
Six feet under,
And I can still hear her complain.

Ebersole's post concluded:

"I vowed justice against my false accuser and I have never broken my word of honor...I honestly don't know how much time is left before she forces my hand.

Ebersole's attorney argued the MySpace posting was nothing more than a "vehicle to voice [his] frustration. The District Court didn't buy the argument and found that Ebersole's post violated the conditions of his supervised release because it was

	reasonable to assume the message would reach the victim and any reasonable person would interpret it as a threat.

Instructor Lesson Plan
(4th Hour)

Subject: 4th Hour – Capturing Evidence and Working with Site Administrators

Unit: Criminal Investigations & Technology

Time Allotted: 50 Minutes (1230-1320)

Learning Objectives: Understanding how proactive versus reactive investigations should be handled, various tools that may be helpful in those investigations, and methods to capture on-screen information for case records.

Preparation: Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

Lesson Objectives:

1. Acquaint the Learners with considerations regarding proactive and reactive investigations.
2. Acquaint the Learners with various investigative tools
3. Acquaint the Learners with methods to capture on-screen information and videos.

Presentation: Presentation will be lecture-based supported by PowerPoint presentation media.

Key Topic Points	Elaboration on Key Points
Reactive Investigations versus Proactive Investigations	1) Working with "profile holders" - citizen informants working as an agent for law enforcement 2) Authorized access to accounts 3) Unauthorized access to accounts 4) Fruit of the Poisoned Tree 5) USC 1030 6) Importance of staying in compliance with each site's Terms of Service (TOS)
Investigative Tools	Facebook Visualizer @ www.lococitato.com 1) Law Enforcement use ONLY 2) Technically violates Facebook's Terms of Service 3) Free version explores up to 200 pages at once, and up to 50 friends per profile search; Allows for search through all downloaded pages (wall and info tables) and export as a JPG. 4) Licensed version (approx $40.00 per PC) will explore up to 10,000 pages at once, and 10,000 friend connections per profile search; Allows for

18

	information download for a permanent record; Allows for View and Export of wall and info tabs for import into Excel, CSV, or other applications; Allows for export of error log detailing all errors generated while mapping a network. 1) MySpace Visualizer @ www.lococitato.com Free version explores up to 200 pages at once; Allows search through all downloaded pages and blogs, and export of the network as a JPG Licensed version (approx $32.00 per PC) will explore up to 1,000 pages at once; Allows for load and save of all downloaded information including a permanent record of the page source; Allows for export of downloaded images and blogs as a CSV for import into Excel or other applications; Allows for View and Export of page source information; Allows for printing or export to PDF 2) YT (YouTube) Visualizer @ www.lococitato.com Free version explores up to 200 pages at once with search and view of all downloaded page and page source information Licensed version (approx $24.00 per PC) will explore up to 1,000 pages at once; Allows for load and save of all downloaded information including a permanent record of the page source; Allows for export to CSV for import into Excel or other applications; Allows for export of the network as a JPG; Allows for printing or export to PDF 3) pipl – Comprehensive People Search @ www.pipl.com People locator service with some free services and several "pay-for" deeper search and location options. Also known as "invisible web", the term "deep web" refers to a vast repository of underlying content, such as documents in online databases that general-purpose web crawlers cannot reach. The deep web content is estimated at 500 times that of the surface web, yet has remained mostly untapped due to the limitations of traditional search engines.

19

	Since most personal profiles, public records and other people-related documents are stored in databases and not on static web pages, most of the higher-quality information about people is simply "invisible" to a regular search engine. 4) PrintKey (Screen Captures) 5) Screen Recorder (Video Captures)
Undercover Investigations	1) Reasons for undercover investigations include a) communicating with suspects, b) gaining access to non-public information, and c) mapping social relationships and personal networks 2) Covert nature of undercover investigations will almost certainly violate the site's Terms of Service 3) U.S. v. Drew – if a law enforcement officer violates a site's Terms of Services, is that "otherwise illegal activity"? 4) Detailed Case Study - U.S. v. Lori Drew, 259 F.R.D. 449 (C.D. Cal. 2009)
Complainants and Witnesses	1) The knowledge that complainants and witnesses bring to an investigation with regard to social networking can be a valuable source of information to an investigation, but there are potential pitfalls as well. 2) Most people access social network sites from the comfort and security of their homes and offices, and the anonymity afforded by this causes them to let their natural defenses down. 3) Advise complainants and witnesses to NOT discuss cases on social networking sites. 4) Follow the general rule to think very carefully about what you post.
Use of Social Networking	1) Use caution in "friending" judges, prosecutors, defense attorneys or others with whom you have or may have a professional relationship. 2) Posts have a way of coming back to haunt people.
Facebook	1) Convicted sex offenders are prohibited from using Facebook and their accounts will be immediately disabled and all links broken once Facebook is notified; however, notification must be

20

	documented in the form of a) a link to a listing in a national sex offender registry, a link to an online news article, or court document.
	2) If a Facebook user deletes content from their account, Facebook will not be able to provide that content. Effectively, Facebook and the applicable Facebook user have access to the same content.
	3) Facebook's registered agent for service of process is: Custodian of Records, Facebook, Inc c/o Corporation Services Company 2730 gateway Oaks Drive Suite 100 Sacramento, CA 95833
	4) Facebook is unable to process subpoenas that fail to identify users by their Facebook User ID (UID) or email address associated with the account. UIDs can be found in the URL available in a browser displaying the account in question. In the URL: http://www.facebook.com/profile.php?id=1234567890, the number 1234567890 is the UID.
	5) Facebook is unable to produce trial or deposition witnesses on user account records; however, Facebook's custodian testimony will accompany the return of any records resulting from a subpoena.
	6) Facebook reserves the right to notify users prior to responding to any CIVIL subpoena, and to delay any compliance to allow its users to move to quash or otherwise resist a subpoena.
MySpace	1) Information that is collected at sign-up includes: a) email address, b) first and last name, c) country, d) postal code (for US, UK, and Canada only), e) gender, and f) date of birth; however, none of this information is validated so it may not be accurate.
	2) MySpace requires a subpoena for information such as: a) IP logs (recorded at time of login), b) dates and times of login (PST), c) email address, d) Zip code, e) name, or f) private messages.
	3) MySpace warns that IP address information may not be accurate if the target of an investigation uses a proxy.

21

	4) MySpace is a free service so administrators do not have street address or credit card information.
	5) MySpace may disclose private information to law enforcement without a subpoena in limited, emergency situations in which the safety of a MySpace user or member of the public is at risk and there is insufficient time for the law enforcement agency to obtain a subpoena. In these circumstances, MySpace requires the delivery of a signed statement on a law enforcement letterhead certifying the existence of an emergency and supplying all the information that would be required in a subpoena.
	6) MySpace does not retain information that is altered or removed on an active profile. Once a change is made, existing information is overwritten.
	7) IP logs are available for up to 90 days after the user's last login.
	8) User's Inbox information is retained until the user removes them. MySpace cannot recover messages unless it is in another user's Sent Mail. Sent Mail is retained for 14 days.
	9) Trash Mail is retained for 30 days or less – users can empty their trash at any time, at which time the mail is no longer available.
	10) Deleted Accounts - No mail is available for deleted accounts. User ID, IP Address, Login date stamps are retained for up to 90 days after deletion. Profile information is available for up to ten days after account deletion.
	11) Preserving an account – MySpace offers that a Letter of Preservation can be faxed to them, but there are caveats: a) Preserved accounts my not be able to log-into the account but they are still publicly viewable, b) MySpace can only preserve a currently active (non-deleted) account, and c) Information in the Sent Mail/Trash Can is still subject to automatic deletion.
	12) If restricting the user's access to the profile will impede an investigation, investigators can request

	that private messages be output to a flat file for preservation before a subpoena is served. 13) Investigators MUST state the "FriendID" in the subpoena of the account(s) for which information is needed. The FriendID can be located in the web address of the profile in question. Example where FriendID is "6221" http://www.myspace.com/index.cfm?fuseaction=user.viewProfile&friendID=6221&Mytoken=20050518161358 14) MySpace can respond to court requested information with approximately a 2-week turnaround. 15) The preferred way to transmit requested information is via email with an Excel spreadsheet attachment – so specify on the subpoena the email address results can be sent to. 16) MySpace will accept subpoenas delivered by fax or mail: MySpace can be reached at: 1333 2nd Street, First Floor Santa Monica, CA 90401 Phone: 310-917-4949 Fax: 310-394-4180
Twitter	1) Twitter does not provide multimedia (photos or videos) hosting other than for a user's profile picture and account background image, and therefore is not able to provide images or videos that a user may share through their account via any 3rd party. 2) Non-public information about Twitter users will not be released without a subpoena, court order, or other valid legal process document. 3) Even though Twitter collects and stores information of users, the information may not be accurate if the user has created a fake or anonymous profile. Twitter does not require email verification or identity authentication. 4) Twitter will notify users of requests for their information prior to disclosure unless they are prohibited from doing so by statute or court order.

	5) Twitter retains different types of information for different time periods. Some information may be only stored for a very brief period of time.
	6) Preservation requests must be signed, include a valid return email address, and sent on law enforcement letterhead delivered by mail or fax.
	7) Twitter can be contacted through:
	Email: lawenforcement@twitter.com
	Fax: 1-415-222-9958 attn: Trust & Safety
	Mail: Twitter, Inc 795 Folsom Street Suite 600 San Franciso, CA 94107
	IMPORTANT – Only email from law enforcement domains will be accepted. All others will be disregarded

Instructor Lesson Plan
(5th Hour)

Subject: 5th Hour – Utilities & Resources

Unit: Criminal Investigations & Technology

Time Allotted: 50 Minutes (1330-1420)

Learning Objectives: Understand key terms and definitions, and various on-line and stand-alone utilities that can be used to locate and harvest social networking information.

Lesson Objectives:

1. Acquaint the Learners with various utilities and resources that are able to locate and extract information from social networking and social media sites as well as from the Internet in general.
2. Acquaint the Learners the functionality and services of utilities and resources, how they operate, and the information they may provide during the legitimate investigation of criminal offenses.

Preparation: Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

Presentation: Presentation will be lecture-based supported by PowerPoint presentation media.

Key Topic Points   Elaboration on Key Points

Terms and Definitions	
Metadata	1) Metadata is an ambiguous term which is used to describe "data about data". Metadata is traditionally found in the card catalogs of libraries. As information has become increasingly digital, metadata also includes, but is not limited to: Means of creation of the data Purpose of the data Time and date of creation Creator or author of data Placement on a computer network where the data was created Standards used The basic information of a piece of

	music, a picture, or file
	For example, a digital image may include metadata that describes how large the picture is, the color depth, the image resolution, when the image was created, and other data. A text document's metadata may contain information about how long the document is, who the author is, when the document was written, and a short summary of the document.
Web Spiders	2) Web Spiders or Web Crawlers are computer programs that browse the Internet in a methodical, automated manner.
	Many sites, in particular search engines, use "spidering" as a means of gathering up-to-date data. Web crawlers create a copy of all the visited pages for processing by a search engine. The search engine indexes the downloaded pages to provide faster searches. Crawlers can also be used for harvesting e-mail addresses.
	A Web crawler is a type of bot, or software agent, that, in general, starts with a URL to visit and then copies all the hyperlinks and content on that and nested pages.
Data Aggregation and Inference	3) Data Aggregation and Inference is a multiple-criteria decision-making operation. Whether in our daily lives or in a professional settings, there are usually multiple conflicting criteria that need to be evaluated when making decisions. For example, in purchasing a car, cost, comfort, safety, and fuel economy may be some of the main criteria we consider.
	In our daily lives, we usually weigh multiple criteria implicitly and we may be comfortable with the consequences our decisions that are made based on only intuition.

. .	On the other hand, when stakes are high, it is important to properly structure the problem and explicitly evaluate each criterion. This leads to more informed and better decisions. Data Aggregation and Inference can be accomplished by just giving a topic good thought, or by automated mathematical computerized models.
Utilities and Resources	1) 411.Com (People Search) 2) Abika.com (People Search) 3) Classmates.com 4) MyLife.com 5) Spokeo.com 6) Web Investigator.org 7) Wayback Machine (Archive.org) 8) WebReaper 9) FOCA On-Line (informatica64.com) 10) FOCA Stand-Alone 11) Firesheep 12) FBpwn 13) Cree.py

Instructor Lesson Plan
(6th Hour)

Subject: 6th Hour – Additional Legal and Practical Issues

Unit: Criminal Investigations & Technology

Time Allotted: 50 Minutes (1430-1520)

Learning Objectives: Understand how industry-wide plans for Federated Identity services, changing Terms of Service, and enhanced Privacy Policies will impact investigations, as well as understand the various unresolved issues that law enforcement officers need to be aware of.

Lesson Objectives:
1. Acquaint the Learners with Federated Identity services planned by the major service providers.
2. Acquaint the Learners with the importance of considering Terms of Service and Privacy Policies of social networking sites.
3. Acquaint the Learners with various unresolved issues related to when, how, and why law enforcement officers can use social media in investigations.

Preparation: Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

Presentation: Presentation will be lecture-based supported by PowerPoint presentation media.

Key Topic Points	Elaboration on Key Points
Federated Identity	1) Social networking sites are increasingly developing hybrid functions and moving toward federated identity schemes such as OpenID and Facebook Connect. 2) Facebook, MySpace, Yahoo! And Google all have projects underway to act as Identity Authenticators – moving to a Single Sign-In model where a user can log-into Facebook using Google credentials. 3) If attribution of activity is necessary, must determine the identity provider.
Terms of Services & Privacy Policies	1) Social networking sites have extensive

	terms of service and privacy policies. Most of the policies are undergoing intense scrutiny by privacy advocates and are adapting in a way that may not favor law enforcement.
	2) Most sites permit emergency disclosure of information to law enforcement without a need for a warrant, but most sites have very brief windows of opportunity to capture information after it is deleted or modified by the user.
	3) All sites specify exceptions to respond to legal process and protect the service against fraud or damage, but recovery of information is extremely time and activity sensitive.
	4) U.S. v. Drew – Can failure to follow Terms of Service render access unauthorized under 1030? Employment policy cases tend to say "yes" but there are concerns that Terms of Service could transform into a privately-managed criminal code for site misconduct.
Unresolved Issues	1) A difficult issue for Defense Attorneys is whether anything can or should be done about existing, harmful information that a client has posted on a social networking site. Even if law enforcement can retrieve the information, the fact that it existed and was destroyed could be interpreted as an attempt to obstruct justice by deleting incriminating information during a pending investigation.
	2) U.S. v. Wortman, 488 F 3d 752 (7th Cir. 2007) involved a defendant that was convicted of obstruction of justice for destroying incriminating evidence that belonged to her boyfriend after learning that he was under investigation by the FBI.
	3) Social networking companies tend to cooperate with law enforcement's

ʼ ·	requests for information but defense requests are frequently opposed. This may be nice for us but the courts will eventually move to level the playing field if social networking companies don't find a balance. 4) Thorny ethical and legal issues can arise if, during an investigation of a social networking site, law enforcement acts untruthfully, uses third parties to access information, or uses a fictitious identity to obtain information. The best rule of thumb is to stay within the Terms of Service of each social networking site. 5) Griffin v. State, 2010 WL 2105801 (Md. May 27, 2010) discusses in detail the authentication of evidence from social networking sites but the requirements and methods have not been fully tested through the courts 6) One court has held that defense counsel's failure to investigate and pursue evidence from social networking sites could be ineffective assistance of council (see Cannedy v. Adams, 2009 WL 3711958 (C.D. Cal. Nov. 4, 2009). 7) If defense attorneys are obligated to investigate social networking leads, why aren't we?

Instructor Lesson Plan
(7th Hour)

Subject: 7th Hour – Review and Question & Answer

Unit: Criminal Investigations & Technology

Time Allotted: 30 Minutes **(1530-1600)**

Learning Objectives: Understand the key points of today's lecture, and be able to put the provided information to use and action in criminal investigations involving evidence from social networking sites.

Lesson Objectives:
1. Bring into focus the main points of today's presentation.
2. Place emphasis on key concepts which the Learners will need to obtain and use evidence from social networking sites.

Preparation: Learners do not need to have any prerequisite knowledge of the subject material, but should be assigned to an investigative position within the Houston Police Department that would reasonably cause them to come into contact with social media sites in the performance of their investigative duties.

Presentation: Presentation will be lecture-based supported by PowerPoint presentation media.

Key Topic Points   Elaboration on Key Points

Key Topic Points	Elaboration on Key Points
Introduction to Social Networking Sites	**We talked about:** 1) What social networking is 2) Various types of social networking sites 3) The most popular social networking sites 4) Where people share information 5) How people manage their accounts 6) What police departments use sites for 7) Utility of social networking information 8) What types of information to look for
Overview of Key Social Networking Sites	**We talked about:** 1) Social networking sites and characteristics 2) Screenshots of sites and site features
Case Studies and Review of Successful Investigations	**We talked about:** 1) Outside (non-HPD) investigations 2) HPD investigations aided by social

	networks
Capturing Evidence and Working with Site Administrators	**We talked about:** 1) Reactive versus proactive investigations 2) Site visualizers 3) pipl people search site 4) Printkey for screen capture 5) Screen Recorder for video capture 6) Considerations for undercover investigations 7) U.S. v. Lori Drew- Terms of Service 8) Complainants, witnesses, and police use 9) Working with social network providers
Utilities and Resources	**We talked about:** 1) Metadata 2) Web Spiders 3) Data Aggregation and Inference 4) Various people search sites 5) Various information search sites 6) Data harvesting tools 7) When and where these tools are appropriate
Additional Legal and Practical Issues	**We talked about:** 1) Federated Identification plans 2) Terms of Service 3) Privacy Policies 4) Unresolved Issues

III. Application

The Learner will be able to collect and use evidence from social networking sites during the investigation of criminal offenses, and will be able to do so in a way that will allow the evidence to be complete and capable of withstanding legal challenges

IV. Evaluation

None

V. References

Facebook – www.facebook.com

MySpace – www.myspace.com

Twitter – www.twitter.com

LinkedIn – www.linkedin.com

Social Networking Visualization Tools – www.lococitato.com

How to Capture a MySpace Page for Investigative Purposes
By: Lauren Wagner and Keith Daniels
SEARCH, The National Consortium for Justice Information and Statistics,
January 2008
www.search.org

Obtaining and Using Evidence from Social Networking Sites

Dr. David J. Morgan
Chief Technology Officer

John N. Johnson, CISSP, CEH

Security+ Certified Professional

Information Security Officer

john.johnson@cityofhouston.net

Course Agenda

Module	Time	Subject
1	0800 - 0815	Introduction and discussion of course goals
1	0815 - 0850	Introduction to Social Networking Sites
	0850 - 0900	Break
2	0900 - 0950	Overview of Key Social Networking Sites
	0950 - 1000	Break
3	1000 - 1050	Case Studies & Review of Successful Investigations
	1050 - 1230	Lunch
4	1230 - 1320	Capturing Evidence & Working with Site Administrators
	1320 - 1330	Break
5	1330 - 1420	Utilities and Resources
	1420 - 1430	Break
6	1430 - 1520	Additional Legal and Practical Issues
	1520 - 1530	Break
7	1530 - 1600	Review and Q/A

4

Course Objectives

The objective of this course is to prepare investigators to use social networking and social media sites for investigative purposes while protecting privacy and staying within law enforcement professional guidelines.

A secondary objective is to understand the operating rules of the various social media sites, none of which are uniformly defined by service providers or understood by the people who use the service.

Module 1

Introduction to Social Networking Sites

Module Objectives

Module 1 Learning Objectives:
Understanding what social networking is and the various Internet sites and services that exist, and how they are used.
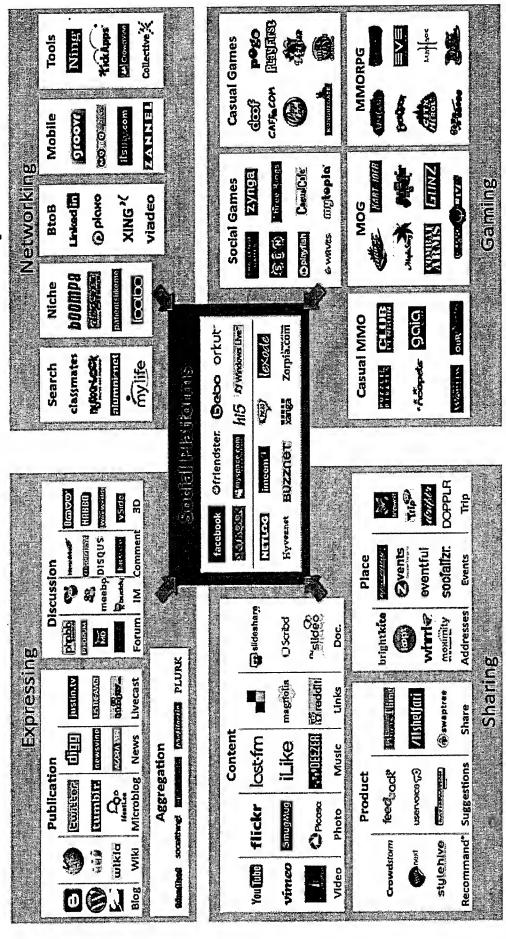
Lesson Objectives:

1. Acquaint the Learners with the vast number and types of social networking and social media sites.

2. Discuss how social networking sites operate, the services provided by each site, and the potential utility of information contained within each site for the legitimate investigation of criminal offenses.

What is Social Networking?

Social Media Landscape
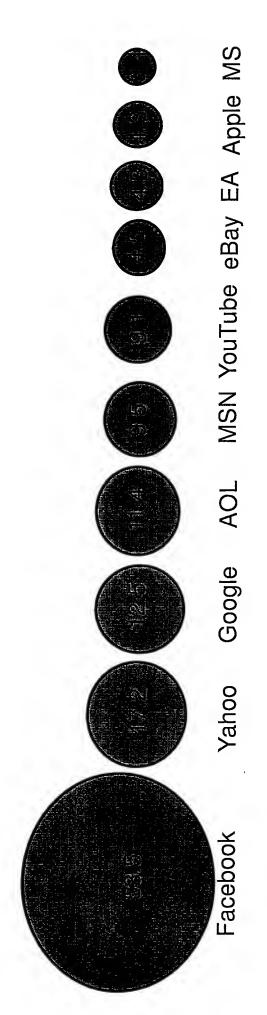
Social networking sites provide people with a virtual environment where they share stories, pictures, videos, and participate in chat rooms with friends and acquaintances.

Examples of Social Networking Sites

➤ Facebook – general

➤ Myspace.com – general

➤ Twitter - micro-blogging

➤ LinkedIn – professional

➤ Classmates.com - school, college, work, and the military

➤ YouTube – videos

➤ Craigslist - classifieds & personal ads

➤ Zynga – online games

Where do Americans spend most of their Internet time?
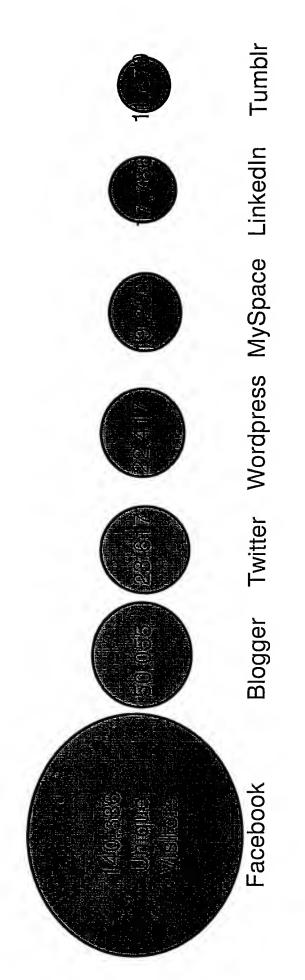
Top 10 U.S. Web Destinations by Total Minutes in billions spent at Home and Work

Facebook   Yahoo   Google   AOL   MSN   YouTube   eBay   EA   Apple   MS

Source: Nielson, May 2011

What are the most popular Social Media sites?

A comparison of traffic to the most popular U.S. social media sites, based on unique visitors in May 2011

Facebook   Blogger   Twitter   Wordpress   MySpace   LinkedIn   Tumblr

Source: Nielson, May 2011
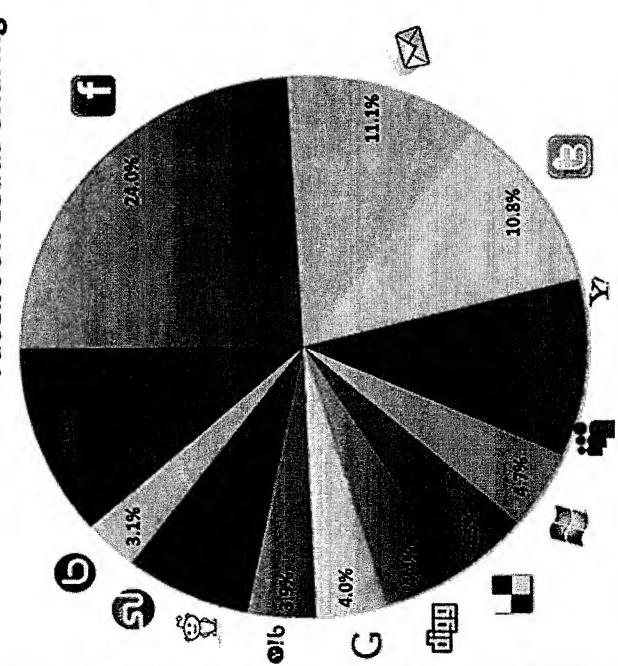
The Rise of Social Networks

Social networking sites have a wealth of information but also can be full of pitfalls and danger. Law enforcement officers should have a basic understanding of social networking sites and the utility and dangers they present.

Any attempt to definitively understand technology opens a huge can of worms. The problem is the advancement of technology basically doubles every 10 years. It is hard to keep up, because once training is developed and conducted, new technology and new uses of the technology occur.

The Internet itself is still a rather new tool to society. It was only two decades ago when it was first available for public consumption.

Facebook Leads Sharing

Facebook
Email
Twitter
Yahoo Bookmarks
Myspace
Windows Live
Delicious
Digg
Google Bookmarks
Yahoo Buzz
Reddit
StumbleUpon
Bebo
Other

24.0%
11.1%
10.8%
4.7%
4.0%
3.1%
3.1%
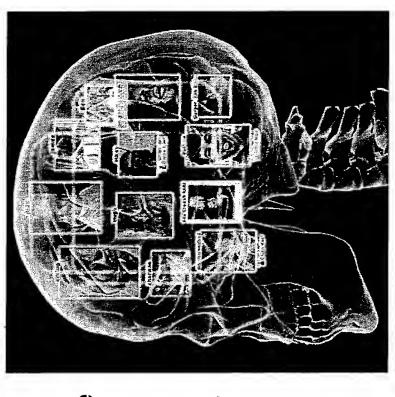
Social Network Stats

According to the Pew Internet & American Life Project (2010):

➢ 75% of U.S. Internet users between the ages of 18-24 and 57% of users between the ages of 25-34 have a profile on a social networking site.

➢ Of those, 51% have more than one profile.

➢ 36% allow everyone to view their profile.

➢ 96% have "friends" they have never met face-to-face.

➢ The 2010 global average time spent per person on social networking sites was ~ 5.5 hours per month.

Every Minute on Facebook

✓ 50,000 ...Shared Links
✓ 60,000 ...Photos Tagged
✓ 74,000 ...Event Invites
✓ 79,000 ...Wall Posts
✓ 83,000 ...Status Updates
✓ 99,000 ...Friend Requests
✓ 136,000 ...Photos Uploaded
✓ 232,000 ...Messages Sent
✓ 383,000 ..."Likes"
✓ 510,000 ...Comments
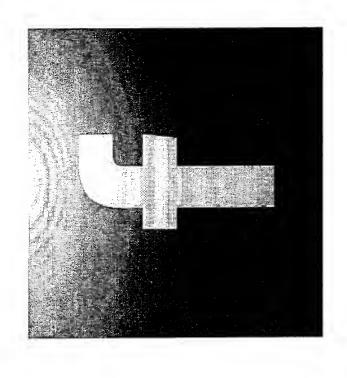
Peer Review
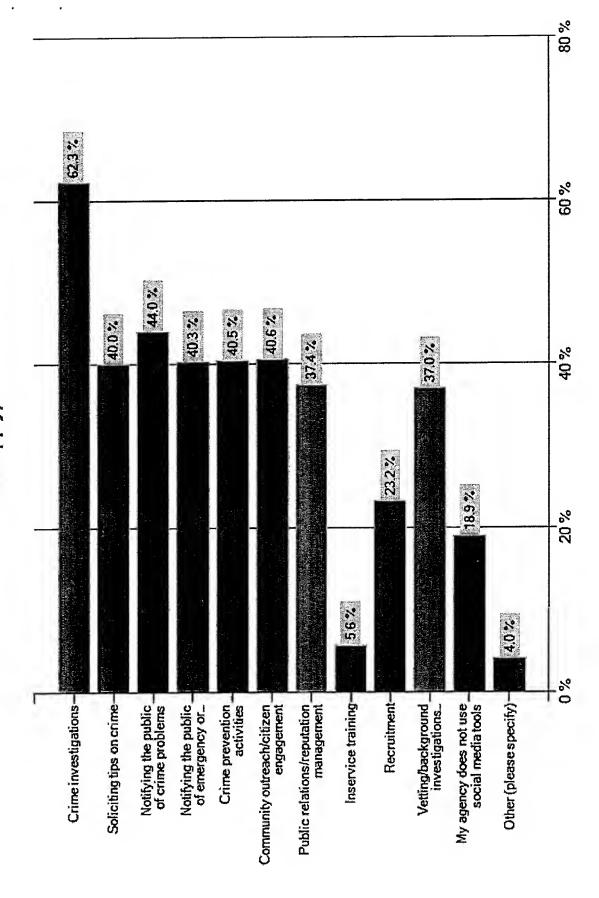
In a January 2011 survey by the International Associated of Chiefs of Police (IACP), 81% of the 728 law enforcement agencies surveyed said they use social media in some form. The most common use of social media is for investigation.

When asked how they use social media, 63.2 % said they use it for investigating crimes, 40 % for soliciting tips on crimes, and 44 % for notifying the public of crime problems.

Usage in investigations surpassed other uses by government agencies for social media, such as community outreach (40.6 %), notifying the public of emergencies (40.3 %) and public relations (37.4 %).

Facebook was by far the most popular tool among respondents, used by nearly 67 % of the agencies that use social media. Other social networking channels being used include Twitter (29.8 %), Nixle (also 29.8 %), MySpace (21.6 %) and YouTube (17.6 %).

http://www.nlets.org/press/police-put-social-media-on-the-trail-of-crime-investigations

17

Which of the following activities does your agency use social media tools for? (Select all that apply)

Activity	Percentage
Crime investigations	62.3 %
Soliciting tips on crime	40.0 %
Notifying the public of crime problems	44.0 %
Notifying the public of emergency or...	40.3 %
Crime prevention activities	40.5 %
Community outreach/citizen engagement	40.6 %
Public relations/reputation management	37.4 %
Inservice training	5.6 %
Recruitment	23.2 %
Vetting/background investigations...	37.0 %
My agency does not use social media tools	18.9 %
Other (please specify)	4.0 %

Unlike traditional Web sites, where users are limited to passive viewing, social networking sites permit users to create personal profiles; post photographs, videos, and audio clips; write blog entries and status updates; send and receive private messages; and link to pages of others ("friends")

It is not uncommon for a person on Facebook, MySpace or other social networking sites to have 300 plus friends located all around the globe.

From a law enforcement perspective, there are three basic criminal uses for social networking sites:

➤ Recruitment – i.e. Gangs and/or narcotics – what age group are they targeting; go where they are.

➤ Intimidation – i.e. Gangs and/or criminal enterprises – send broad messages to your affiliates, rivals, and possible informants

➤ Operations – Private profiles provide a powerful collaboration platform with very weak attribution

Utility In Criminal Cases

Evidence from social networking sites can:

➤ Reveal personal communications

➤ Establish motives and personal relationships

➤ Provide location information

➤ Prove and disprove alibis

➤ Establish crime or criminal enterprises

➤ Lead to discovery of instrumentalities or fruits of crime

Things To Look For

➢ Name, date-of-birth (age), sex, race, current geographical location, hometown, high school/college attended, preferred E-mail address, cell phone number, sexual preference, relationship interests, clubs and affiliations, favorites movies and TV shows, favorite books, favorite quotes, employment type and title, work history, etc

➢ picture, audio, and video files

➢ Meta data

➢ Information concerning URLs and "favorite" sites

➢ Internet protocol addresses and other location identifiers

➢ Internet Service Provider address and Internet subscriber information

➢ Social networking profiles of friends and associates

Things To Look For (continued)

➤ Business and personal activities

➤ Frequency of postings or site usage

➤ Social, business, and other group affiliations

➤ Evidence of uploaded content and postings

➤ Abuse reports

➤ Terms of Service for the site (they are frequently changing these days)

➤ Payment method in those few instances where services are not free

Module 2

Overview of Key Social Networking Sites

Module Objectives

Module 2 Learning Objectives:
Understanding the most popular social networking sites and the features they provide.

Lesson Objectives:

1. Acquaint the Learners with the most popular social networking and social media sites.

2. Discuss the functionality and services of the most popular sites, how they operate, the profiles (characteristics) of typical users of each site, and the potential utility of information contained within each site for the legitimate investigation of criminal offenses.

Facebook

Google | Welcome to Facebook

facebook

Email

Password

Keep me logged in

Log In

Forgot your password?
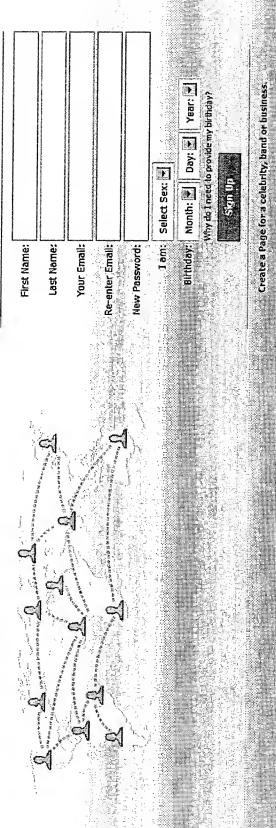
Facebook helps you connect and share with the people in your life.

Sign Up

It's free and always will be.

First Name:

Last Name:

Your Email:

Re-enter Email:

New Password:

I am: Select Sex:

Birthday: Month: Day: Year:

Why do I need to provide my birthday?

Sign Up

Create a Page for a celebrity, band or business.

English (US) Español Português (Brasil) Français (France) Deutsch Italiano العربية हिन्दी 中文(简体) 日本語 한국어

Mobile · Find Friends · Badges · People · Pages · About · Advertising · Create a Page · Developers · Careers · Privacy · Terms · Help

Facebook © 2011 · English (US)

25

Facebook

➤ Founded in 2004, initially catering to students

➤35 years and older is the largest growing demographic group

➤ Now over 800 million active users worldwide

➤ More than 50% of active users log-on in any given day

➤ Average user has 130 friends

➤ Average user is connected to 80 community pages, groups and events

➤ More than 7 million apps and websites are integrated with Facebook

➤ More than 350 million active users currently access Facebook through their mobile devices

Source: http://www.facebook.com/press/info.php?statistics   (11-9-2011)

Facebook

➤ Over 480,000 new members join every day.

➤ Over 30 billion photographs stored system-wide; Facebook adds an estimated 1 billion additional photographs each month.

➤ Subscribers are encouraged to use their real names but not guaranteed.

➤ Privacy model is highly granular; presents different information to different groups or individuals; Recent changes in privacy settings as a result of criticism but new features are typically not very private.

➤ Messaging includes mail, real-time chat, and each user's "wall".

➤ Frequently used in private background checks and pre-employment screening.

➤ Site functionality has been used to deliver viruses and malware, and to provide Command & Control for network Bots.

Facebook Wall

facebook

Search 🔍

View Photos of Helen (25)

Send Helen a Message

Poke Helen

Loving life in Colorado Springs,

Information

Relationship Status:
Married to

Wall | Info | Photos | Boxes

Helen McAllister Chance to win a free Razor scooter just in time for Christmas...check out
www.facebook.com/greenribbonschools. 17 hours ago

Write something...

Attach: 📷 🎥 🔗

Share

Filters

Helen McAllister Please vote for this great program. Txt 103459 to 73774 or
click below. Thanks. :)

**Provide Green Ribbon Schools health & wellness program to
US students | Pepsi Refresh Everything**

pep.si

Vote for the most refreshing ideas to win Pepsi Refresh Project grants
for Education

24 minutes ago · Comment · Like · Share · Flag

Stephanie Christiansen I voted again
17 minutes ago · Like

Write a comment...

Facebook Profile

http://www.facebook.com/markzuckerberg?ref=search&sid=607324417.4228919553.1

facebook   Profile   Friends   Inbox

Settings · Logout   Search

Recently Added Mark Zuckerberg
All Friends
Invite Friends
Find Friends

Become a Fan

Photos   Boxes   Video   Live

Mark Zuckerberg

An Open Letter from Facebook Founder Mark Zuckerberg
blog.facebook.com

It has been a great year for making the world more open and connected. Thanks to your help, more than 350 million people around the world are using Facebook to share their lives online. To make this possible, we have focused on giving you the tools you need to share and control your information.

December 1 at 9:26pm · View Feedback (1,843) · Share

Mark Zuckerberg

Happy Halloween from Facebook.

Halloween is one of our most popular photo uploading days of the year. See how Facebook employees are celebrating in costume.

By: Facebook

October 30 at 11:02pm · View Feedback (1,125) · Share

Mark Zuckerberg I'll be talking to hackers and entrepreneurs at Startup School 2009 today, at 2:30 pm PST. The talk will be livestreamed on this page, so check back in an hour to watch.
October 24 at 4:21pm · View Feedback (1,229)

Mark Zuckerberg Facebook started as a small project that I built in two weeks. I talk in this interview about how Facebook developed from a project into a company serving over 300 million users. Innovation and moving fast play a big role in our growth. We still have a lot to build and do.

THE BUSINESS INSIDER   Mark Zuckerberg On Innovation
Silicon Alley   www.businessinsider.com
Insider   Facebook's CEO and creator's secret: "Move fast and break things."

October 1 at 11:35pm · View Feedback (1,765) · Share

Suggest to Friends

I'm trying to make the world a more open place by helping people connect and share.

Fans   See All
6 of 379,448 fans

http://www.facebook.com/friends/?ref=tn

Facebook Find Friends

Find friends from different parts of your life

Use the checkboxes below to discover people you know from your hometown, school, employer and more.

Hometown

Enter a city

Current City

Enter a city

High School

Enter a high school

Mutual Friend

☐ Lori
☐ Vernon
☐ Norma
Enter another name

College or University

Enter a college

Employer

Enter an employer

Graduate School

Enter a college

30

Facebook Mobile

What Happens In Facebook...

Meghan Definitely skipping my date for a night of movies, Starbucks, and chocolate chip cookies. Don't judge :)
October 27 at 5:37pm via BlackBerry · Like · Comment

Jen likes this.

Patrick wtf?!? A heads up would have been nice!...thats the last time I ask you out!
October 27 at 5:39pm · Like

Meghan Shit! I forgot we were facebook friends, I'm almost embarrassed this is how you had to find out!
October 27 at 5:40pm · Like

Patrick no worries it will just be another night filled with tears and masturbation, prolly at the same time, for me
October 27 at 5:44pm · Like
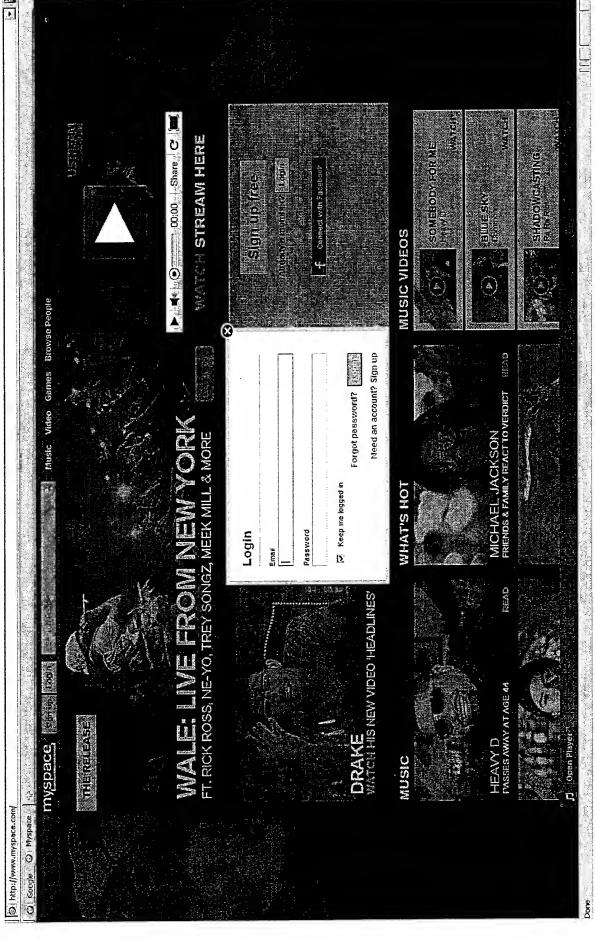
Meghan At least your night is ending the same as it would have if I didn't cancel
October 27 at 5:47pm · Like

Facebook Friends Map

December 2010

facebook

33

MySpace

http://www.myspace.com/

Google | Myspace

myspace | Sign up | Login | Music Video Games Browse People

THE RELEASE

WALE: LIVE FROM NEW YORK
FT. RICK ROSS, NE-YO, TREY SONGZ, MEEK MILL & MORE

DRAKE
WATCH HIS NEW VIDEO 'HEADLINES'

MUSIC

HEAVY D
PASSES AWAY AT AGE 44

Open Player

00:00 Share

WATCH STREAM HERE

Sign up free

Connect with Facebook

Login

Email

Password

Keep me logged in

Forgot password?

Need an account? Sign up

WHAT'S HOT

MICHAEL JACKSON
FRIENDS & FAMILY REACT TO VERDICT

READ

MUSIC VIDEOS

SOMEBODY FOR ME   Watch

BLUE SKY   Watch

SHADOWCASTING   Watch

Done

MySpace

➢ Founded in 2003; now owned by Fox Interactive Media

➢ Was most popular social networking site in 2006

➢ Hit 100 million accounts on August 9, 2006

➢ Was passed-up in popularity by Facebook in 2008

➢ Currently has 64.2 million active users

➢ The use of true names is less encouraged that Facebook

➢ Messaging through Instant Message, Chat, and Friend Updates

➢ Application platform added in 2008 in response to Facebook's platform

➢ Younger user base; history of child safety concerns

➢ Privacy is less granular and less effective than Facebook's settings

MySpace Profile Home

MySpace

File Edit Options Help

Back

My Profile Home | Pics | Tools

https://myspaceenhanced.com/cgiproxy/nph-proxy.pl/010101

Go | Google

Messages ▾ | Unblocker (Beta) ○ Link Previews (Beta) ○ Flash Stopper

Login to MySpace

Help | SignUp

powered by Google

Search

Member Login

Hi, Russell   [Not you?]

E-Mail :

Password :

☐ Remember Me

LOGIN   SIGN UP

Forgot your password?

Cool New People

Derek   Laura   andrew

Videos   [more videos]

The MiddLE Show – ComicCon 2007

Comedy team coverage takes you around the 2007 NY Comic Convention. Music: Kevin MacLeod.

» Watch It Now!

Sponsored Links

Free Video Chat

---

myspace.com.
a place for friends

Cool New Videos   31,944 uploaded today!

Gay Robot   Air Freshener   Sneak Peak
Gay Robot   Guy   Joe Rogan

Books   Comedy   Jobs NEW!   Inspectors   MySpaceIM
Blogs   Filmmakers   Movies   Flappa   Schools
ChatRooms Games   Music   TV On Demand NEW!
Classifieds Horoscopes Music Videos   Videos

MySpace Music   [more music]

The Legion Of Doom
Electronic / Big Beat / Alternative
Los Angeles, California

Trever Keith (of Face to Face) and producer Chad Blinman (The Get Up Kids, Saves The Day) have teamed up to create *Incorporated*, the first ever album of punk, hardcore, and emo mash-ups. The album, out on March 6th, includes mashes of tracks by Dashboard Confessional, Taking Back Sunday, Underoath, Gnarls Barkley, My Chemical Romance, and more.

» Listen Now

MySpace Specials

MySpace Impact Awards WINNER: Kentucky Equality Federation

You NOMINATED. You VOTED. Now we are thrilled to announce your MySpace Impact Awards WINNER in the Social Justice category: KENTUCKY EQUALITY

NO PHOTO

	Comment
Profile	Message
Pics	Add Friend
Videos	Add Favs
Comments	Block
Friends	Rank
Blog	

Toggle Pimped Profile

$$New Job/Career/Bizz$$
You deserve better & we'll make it happen for you in a BIG way!!!!!!!

Find Misspelled Auctions
eBay listings with typos go cheap. Search now

Who's Your Soul Mate?
Predict exactly, down to the name, who your Soul Mate is. Try it!

Friends Requests & Updates

Twitter

twitter

Follow your interests

Instant updates from your friends, industry experts, favorite celebrities, and what's happening around the world.

Username

Password

☐ Remember me   Forgot it?

Sign in

New to Twitter? Join today!

Full name

Email

Password

Sign up

About · Help · Blog · Mobile · Status · Jobs · Terms · Privacy · Advertisers · Businesses · Media · Developers · Resources · © 2011 Twitter

http://twitter.com/

Google   Twitter

38

Twitter

➤ Began in mid-2000 as a "status message" service but has become the leader in 'micro-blogging" - subscribers use mobile devices to maintain presence

➤ Over 200 million registered users but only ~75 million are active.

➤ Average usage is approximately 600 tweets per second.

➤ Highly cross-platform capable and easy to use but storage space is limited

➤ Popularly used for Breaking news and real-time updates of events Multi-media is handled by 3rd party links to other providers

➤ Popular with hacking groups, including Anonymous

➤ Simple privacy model: updates are either Public or Private

Twitter

➤ Direct messages are private; Sender can delete messages even after they are sent

➤ Stores shortened versions of URLs which are used to direct other users to resources – also is used to spread malicious links and program code

➤ Most Twitter profile information is public, so anyone can see it

➤ A Twitter profile contains a profile picture, background image, and status updates called Tweets

➤ Users have the option to fill out location information, a URL, and a short "Bio" section about themselves for display on their public profile

➤ Twitter does not provide multimedia (photos or videos) hosting other than for a user's profile picture and account background image, and therefore is not able to provide images or videos that a user may share through their account via any 3rd party

Twitter Timeline

twitter · Search · Home · Profile · Messages · Who To Follow · 🔍

What's happening?

Timeline · @Mentions · Retweets ▾ · Searches ▾ · Lists ▾

you a burned out #QSA or wanna help build a PCI/HIPAA/SOC/ISO compliance program? @Walgreens #chicago is hiring. drop me a note
5 hours ago

Watching my mother-in-law order at Starbucks is like watching a drunk gorilla try to start a car with a french fry.
5 minutes ago

.r.u.n.!.
3 hours ago

U.S. House Intelligence Committee said hacker attacks by China had reached an "intolerable level" | ow.ly/7mPa4
3 hours ago

always feel smarter after voting. maybe that's b/c my polling place is Thomas Jefferson S&T school.
2x win
56 minutes ago

Your Tweets
23 hours ago ;

Following   Followers

Who to follow · refresh · view all

GlobalKnowledge Global Knowledge ✪ · Follow · ✕
Promoted · Followed by

backtracklinux muls · Follow · ✕
Followed by

aaronbarr Aaron Barr · Follow · ✕
Followed by

Trends: Worldwide · change

#DroidRAZR ✖ Promoted
#WhallLove
#grandesParejas
#hometownslogans
Frankie Cokeupthenozza
Phobos-Grunt
EdaTeQueremos
Ben Mitchell

41

Twitter Who to Follow

twitter Search

Q Home Profile Messages Who To Follow

Who to follow

View Suggestions | Browse Interests | **Find Friends**

Search

You recently followed · view all

Search the services you use to discover which of your friends are already using Twitter. Follow any of the friends you find to add their Tweets to your timeline.

Gmail — Search contacts

Yahoo — Search contacts

Hotmail & Messenger — Search contacts

AOL — Search contacts

LinkedIn — Search contacts

Choosing a service will open up a window for you to log in securely and authorize Twitter to see your contacts. You'll only see users who have allowed their accounts to be found by email address. Don't worry: we won't share your contacts with anybody or email anyone without your consent.

Invite Friends

Not finding who you're looking for? Invite friends to Twitter via email. See what you'll send them.

Your friend's email address

Invite

Lots of people to invite? Separate multiple email addresses with commas.

Related Services

Twitter Downloads Download the Twitter app for your mobile.

The NFL on TwitterFollow your favorite NFL team and players.

Twitter Settings

twitter

Account | Password | Mobile | Notifications | Profile | Design | Applications

settings

Name

You can change your name on your profile settings.

Username

No spaces, please.

Your public profile: http://twitter.com/

Email

Note: email will not be publicly displayed.

☐ Let others find me by my email address

Language

English

What language would you like to Twitter in?

Interested in helping translate Twitter? Check out the Translation Center.

Time Zone

(GMT-06:00) Central Time (US & Canada)

Tweet Location

☐ Add a location to your Tweets

Ever had something you wanted to share ("fireworks!", "party!", "ice cream truck!", or "quicksand...") that would be better with a location? By turning on this feature, you can include location information like neighborhood, town, or exact point when you tweet.

When you tweet with a location, Twitter stores that location. You can switch location on/off before each Tweet and always have the option to delete your location history. Learn more

You may delete all location information from your past Tweets. This may take up to 30 minutes.

Tweet Media

By default, you automatically see images and videos only from people you follow. Additionally, you can choose to:

Account

From here you can change your basic account info, language settings, and your Tweet privacy and location settings.

Tips

Change your Twitter username anytime without affecting your existing Tweets, @replies, direct messages, or other data. After changing it, make sure to let your followers know so you'll continue receiving all of your Tweets with your new username.

Protect your Tweets if you don't want them to be public. Approve who can follow you and keep your Tweets out of search results.

Learn more by visiting the help center.

Twitter Settings

Search

محمد المنجد

Who to follow

View Suggestions   Browse Interests   Find Friends

Results for: بحث المنجد

almonajjid محمد صالح المنجد الصفحة الرسمية

① **+ Follow**

② Mention almonajjid

③ Add to list

④ Block almonajjid
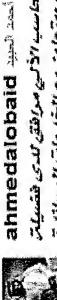
⑤ Report almonajjid for spam

islamqa_ar موقع الشيخ محمد صالح المنجد للفتوى والإشراف العام

Turki_Homaidan تركي حمدان الحربي

ahmedalobaid احمد العبيد

شبكة أنصار المجاهدين
http://202.71.103.132/vb

+ Follow

مؤسسة مجموعة زاد لخدمات الداعية الإسلامي مرفق لدي قناتي فضائيتي قناة المجد وقناة
الشيخ محمد صالح المنجد وفقه الله

44

Twitter Settings

45

Twitter Settings

close ✕

عبد الرحمن السديس
@assdais view full profile
الرياض

العربي‌ة عن تفعيل الصورة وبتغيير الوقت وتقدم المعلومات http://facebook.com/assdais

2,668	44	6,522	45
Tweets	Following	Followers	Listed

① ② ⊕ Follow

شبكة القناء الإسلامية
Recent Tweet http://112.137.166.232/-fa/vb/

assdais
يا من تريد مالا علما للمسلمين قال رسول الله صلى الله عليه وسلم «من دعا إلى هدى فله من الأجر مثل أجور من تبعه لا ينقص ذلك من أجورهم شيئا» رواه مسلم
عبد الرحمن السديس
5 hours ago

assdais
عبد الرحمن السديس
قال رسول الله صلى الله عليه وسلم «بعثت مع القيامة كهاتين» وأشار بإصبعيه السبابة والوسطى
5 hours ago

---

abuabdelelah
خالد الفهد

⊕ Follow

saad_alkhathlan
أستاذ الفقه في جامعة الإمام بن سعود الإسلامية

⊕ Follow

assdais
عبد الرحمن السديس

⊕ Follow

otsaad
سعد بن مطر العتيبي

⊕ Follow

mohamadalsaidi1 mohamad alsaidi
دكتوراه في أصول الفقه جامعة أم القرى

⊕ Follow

ibn_alqaim
الإمام ابن القيم الجوزية

⊕ Follow

amshehri
عبدالرحمن الشهري

⊕ Follow

WordPress

WordPress started in 2003 as a service where everyone could be empowered with a voice. It has grown to be the

largest self-hosted blogging tool in the world, used on millions of sites and seen by tens of millions of people every day.

WordPress started as just a blogging system, but has evolved to be used as full content management system and so much more through the thousands of plugins, widgets, and themes

WordPress is a free blogging tool and publishing platform. WordPress is used by over 14.7% of Alexa Internet's "top 1 million" websites and as of August 2011 powers 22% of all new websites on the Internet.

WordPress

http://wordpress.com/

Google | WordPress.com – Get...

Email or Username | Password | Log in | ☑ Remember me | Forgot password? | Sign Up

WORDPRESS.COM

A better way to blog.

Get started here

Learn more or sign up now →

Freshly Pressed:

☑ Subscribe

The best of 357,686 bloggers, 438,979 new posts, 459,401 comments, & 103,560,598 words posted today on WordPress.com.

Language: English

Thrifty Thursday: Head to Toe Menswear
jeanofalltrades

Posts about fashion →

Nick Cobby
IwantTorideMybicycle

Posts about design →

Monkey Has Left The Building
Lessons From Teachers and Twits

Posts about education →

The Art of Occupation
New American Paintings/Blog

Posts about san-francisco →

Compost Bin Experiment
Lower Dover Field Journal

Posts about gardening →

The 5 People You Meet as a Gay Dad
Where Do Gaybies Come From?

Posts about gay →

Karnataka, India

Posts about photography →

Brighton Pier
therenostudio

WordPress

Dashboard ‹ WordPress 3.1 RC4 — WordPress

http://localhost:8888/wordpress31/wp-admin/index.php

Google | Search

admin ▾ | Add New ▾

Edit My Profile
Log Out

Dashboard
Dashboard
Updates ①

Posts
Media
Links
Pages
Comments

Appearance ▾
Themes
Widgets
Menus
Background
Header
Editor

Plugins ①
Users
Tools
Settings
General

Comments ▾ | Appearance ▾ | Updates ①

Howdy, admin | Log Out

New Post ▾

Screen Options ▾ | Help ▾

RC4 Search Engines Blocked

Dashboard

Right Now

Content
1 Post
1 Page
1 Category
0 Tags

Discussion
1 Comment
1 Approved
0 Pending
0 Spam

Theme Twenty Ten with 6 Widgets
You are using WordPress 3.1-RC4.

Change Theme

Recent Comments

From Mr WordPress on Hello world! #
Hi, this is a comment.To delete a comment, just log in and view the post's comments. There you will have …

View all

Incoming Links

This dashboard widget queries Google Blog Search so that when another blog links to your site it will show up here. It has found no incoming links… yet. It's okay — there is no rush.

QuickPress

Title

Upload/Insert

Content

Tags

Save Draft | Reset

Publish

Recent Drafts

There are no drafts at the moment

WordPress Blog

WordPress 3.0.5 (and 3.1 Release Candidate 4) February 7, 2011
WordPress 3.0.5 is now available and is a security hardening update for all previous WordPress versions. This security release is required if you have any untrusted user accounts, but it also comes with important security enhancements and hardening. All WordPress users are strongly encouraged to update. Three point oh point five Enhances security Three point [...]

49

WordPress

Network Marine

Edit Post

Welcome to our new WordPress powered site!

Permalink: http://www.networkmarine.co.uk/new-wordpress-site/ Edit View Post

Upload/Insert

Visual | HTML

b | i | link | b-quote | del | ins | img | ul | ol | li | code | more | lookup

close tags

Welcome to the new WordPress powered Network Marine web site. WordPress is a popular open-source content management system (CMS) which is commonly used to host blogs and news sites.

As a small software development team, we found the process of updating our old site a bit slow and cumbersome. As a result the old site remained very static with little new content. We wanted a site that made it easy to add new pages and news items, so we started a mini project to evaluate the various CMS systems available.

In the process we reviewed (amongst others):

Word count: 204   Last edited by admin on 11/06/2009 at 9:53 am

Excerpt

Excerpts are optional hand-crafted summaries of your content that can be used in your theme. Learn more about manual excerpts.

Publish

Preview Changes

Status: Published Edit
Visibility: Public Edit
Published on: Nov 2, 2009 @ 20:17 Edit

Delete   **Update Post**

Post Tags

Add new tag   Add

Separate tags with commas.
Choose from the most used tags in Post Tags

Categories

All Categories | Most Used

☑ web
☑ WordPress
☐ .NET
☐ ASP.NET
☐ C#
☐ Software Development
☐ SQL Server

+ Add New Category

Dashboard
Posts
  Edit
  Add New
  Post Tags
  Categories
Media
Links
  Edit
  Add New
  Link Categories
Pages
Comments
Appearance
Plugins
Users
Tools
Settings

New Post   Screen Options | Help

LinkedIn

Linked **in.**

Home ∴ What is LinkedIn? ∴ Join Today ∴ Sign In

Sign In to LinkedIn

Email address:

Password:

Forgot password?

Sign In or Join LinkedIn

LinkedIn Corporation © 2011 | User Agreement | Privacy Policy | Copyright Policy

LinkedIn

➤ Business-focused with enforced limits to interaction between users

➤ Currently at 90 million user accounts spread over 200 countries

➤ Currently has 21.4 unique active users each month

➤ 25 years to 35 years is the largest demographic group

➤ Targets professionals allowing members to create a profile describing professional backgrounds and facilitates communication with others

➤ Profiles segregated based on education and/or work experience

➤ Use for criminal communications appears to be limited

➤ Can be used to identify people with certain knowledge areas/expertise

➤ No reliability checks performed on profile information

LinkedIn Home Page

LinkedIn Profile Page

Linked in ® Account Type: Basic
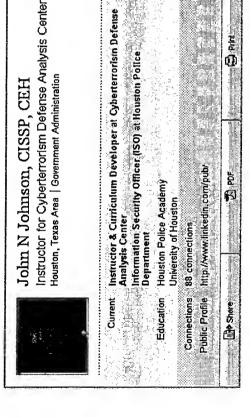
Home | Profile | Contacts | Groups | Jobs | Inbox | Companies | News | More

People ▾ | Search... | 🔍 | Advanced

How to Select a Firewall - The definitive guide for evaluating enterprise network firewalls   From: Palo Alto Networks

John N Johnson, CISSP, CEH

Instructor for Cyberterrorism Defense Analysis Center

Houston, Texas Area | Government Administration

Improve your Profile   Edit profile

Ask for recommendations
Create your profile in another language

Current   Instructor & Curriculum Developer at Cyberterrorism Defense Analysis Center

Information Security Officer (ISO) at Houston Police Department

Education   Houston Police Academy
University of Houston

Connections   88 connections

Public Profile   http://www.linkedin.com/pub/

Share   PDF   Print

Summary

CISSP License #   January 2006
CEH License #   September 2007
Security+ Certified Professional License #   April 2005

Specialties

Information Security/Information Assurance
Policy and Compliance

Experience

Instructor & Curriculum Developer
Cyberterrorism Defense Analysis Center
January 2006 – Present (5 years 11 months)

Information Security Officer (ISO)
Houston Police Department
September 1981 – Present (30 years 3 months)

John N's Connections (88)

Shon

Gary

David

See all Connections »

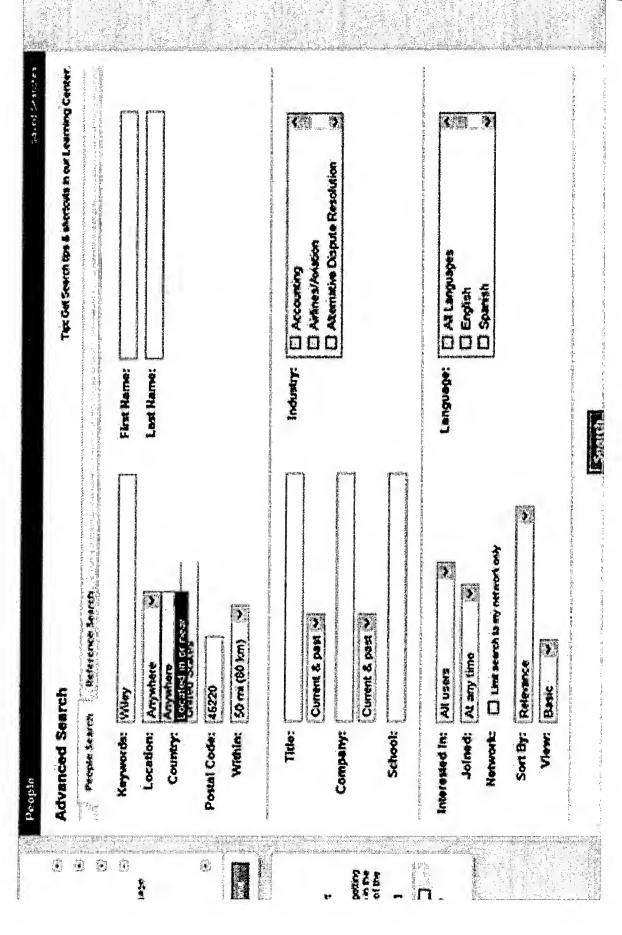Note: Currently your connections are allowed to view your connections list. Edit

John ... Recommends (1)

Latasha

❝ I have worked with Latasha in my capacity as

LinkedIn Advanced Search

Module 3

Case Studies and Review of Successful Investigations

Module Objectives

Module 3 Learning Objectives:

Understanding case studies and investigations involving social networking evidence.

Lesson Objectives:

1. Acquaint the Learners with various outside (non-HPD) and inside (HPD) investigations that made use of social networking.

2. Acquaint the Learners with the implications of social networking to prosecution of offenders

3. Acquaint the Learners with the implications of social networking for defense of offenders

Outside Investigations – Case # 1

Swave Carter, 19, of Cleveland, OH was arrested for robbery, kidnap, and assault after investigators noticed him wearing a coat in his Facebook profile which was stolen from a 17-year-old robbery victim.

Carter had taken the coat when his victim could only produce $35 in cash.

Outside Investigations – Case # 2

Rudy Guede, wanted in the murder of British student Meredith Kercher was arrested in Germany after being on the run for almost a year.

The trail leading to Guede was cold until he logged into Facebook, enabling police to trace his computer.

Guede is serving a 16-year sentence while co-defendants Amanda Knox and Raffaele Sollecito were acquitted on appeal.

Outside Investigations – Case # 3

Louisville, KY police arrested Shaun South and are looking for his friend, Kyle Bieber, after it was learned they had committed a series of burglaries and were bragging about it on South's Facebook profile.

Investigators sent South a friend request posing as an attractive young female.

The pair were planning planning additional crimes using Facebook messages and chats.

Outside Investigations – Case # 4

A retired HPD Officer working in Austin County as a financial crimes investigator had a case involving a woman who met a man on an Internet dating site. The man moved in with her, used her credit cards, and moved out before she got the bill.

To locate the suspect, the investigator posted a fictitious Facebook account as a female and sent the suspect a friend request. After flirting with the suspect for a while, a date was arranged. The suspect was arrested when he arrived for the date. The investigator said, "He never figured out what happened. He was just "bummed that he never got to meet the pretty lady he had a date with".

Outside Investigations – Case # 5

When 23-year-old Eric Walsh of Wilmington, DE overdosed on heroin the day after Christmas in 2009, Detective Pat Nally turned on Walsh's computer and looked at his Facebook and MySpace pages for clues.

The profile led to the discovery of conversations between Walsh and his associates to buy and sell drugs.

According to Nally, "People arrange to buy and sell drugs on Facebook; there's talk of what they may do and where they may go. We'd be foolish not to use it as an investigative tool."

Outside Investigations – Case # 6

It wasn't a pretty picture for Crown Heights heroin dealer Tyrell "Handsome Rell" Blue, whose MySpace page featured a photo of himself with a wad of cash and a claim that he earned $250,000 a year selling drugs at several night clubs.

That information was used against him he was charged with five others with multiple counts of trafficking and selling narcotics.
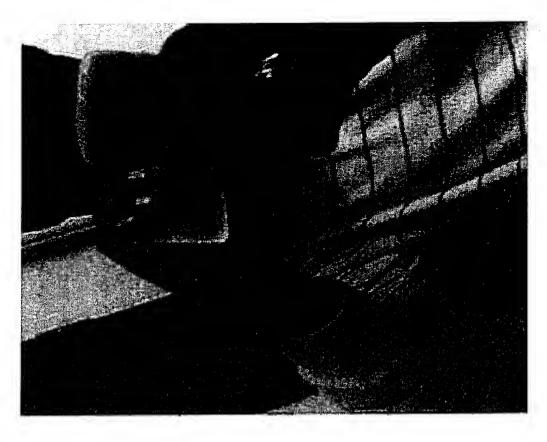
Outside Investigations – Case # 7

James Roberts, 27, bragged on his MySpace page a day after he mugged a man at a bus stop.

Roberts sealed his fate with pictures of himself and his ill-gotten gain, which included an expensive watch and ring he swiped from the victim.

Detectives showed the photo to the victim, who identified him and the stolen ring. Roberts and his partner, Darryl Calier, are serving five years each for robbery.

Outside Investigations – Case # 8

Awais Younis, 25, also known as Mohhanme Khan and Sundullah Ghilzai, of Arlington, VA was charged with communicating threats after posting on Facebook that he intended to put pipe bombs on Metro cars in Georgetown at rush hour.

Younis had posted instructions on Facebook about making pipe bombs and was chatting about what kind of shrapnel would cause the most damage.

...il. AT&T E:11-cr-00007-TSE 12:10 AM Filed 01/26/11 Page 3 of 4

Messages   Message

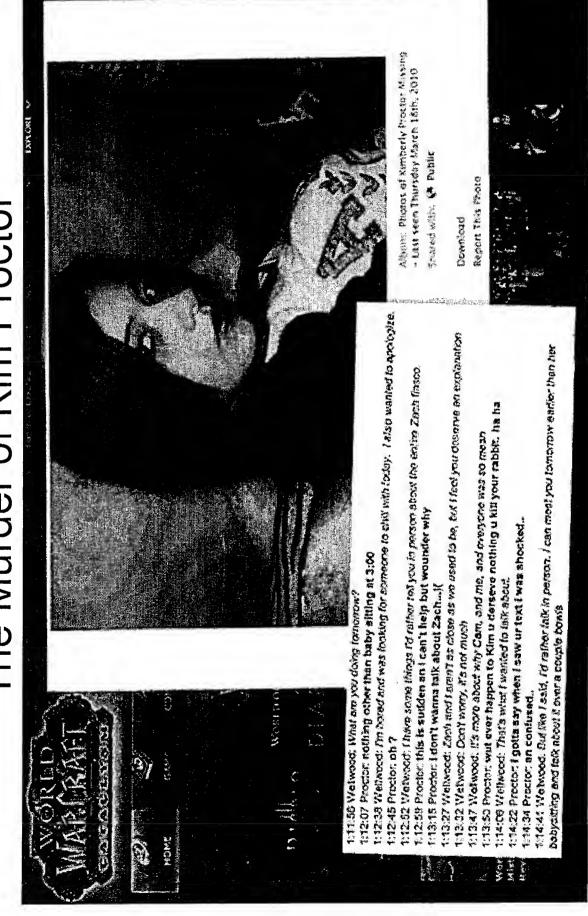happens then they sit there wondering why we dropped the twin towers like a bad habit hahaha. im telling you right now you are going to regret doing what you did. for your peace I hope what I am hearing is all lies.

Complainant : stop talking that way sunny its making me nervous.

Sundullah Ghilazi: you should be nervous. you pissed me off. when things happen it will be your fault. just wait and see. its only a matter of time.

Complainant : what are you talking about.

Sundullah Ghilzai: you want a reason to complain out me and my people. I will give you one. in your honor. how about that. now good bye and good luck and remember next time that the only way to make things ok with me is to fear me, that I will prove. GET READY!
10:13 PM

Outside Investigations – Case # 9

The Murder of Kim Proctor

Outside Investigations – Case # 9

Planning A Murder

Kim Proctor (16) was no different than any teenage girl. Easily hurt by insults and just as easily swayed by compliments. But when Kim went from average kid to missing girl, her storyline took a tragic turn. Police in British Columbia uncovered a tale of murder when they peeked behind the digital curtains of Kim's supposed friends, Kruse Wellwood and Cameron (Cam) Moffat.

Kruse had been scouring the Internet, collecting images of women bound and distressed. During one MSN chat, Cam told Kruse he wanted to rape a girl they both knew, and suggested they tie her up and take turns having sex with her. "Its going to be fun plus get a bit of a thrill," Cam typed, "plus might make her pregnant."

In another chat session, Kruse asked a girl from Halifax, "What would your opinion be on me if I killed, raped, or brutalized someone?" The two had met a few years before on *World of Warcraft*, and grown close online as members of the same gaming guild, eventually falling for each other.

Outside Investigations – Case # 9
The Crime

Kruse called Kim and asked her to come to his house. He had something very important to tell her. Kim agreed to stop by when she was finished with a babysitting job. Shortly after she arrived at the house, the boys attacked, kicking and hitting Kim as they bound her hands and ankles. Kruse stuffed a sock in Kim's mouth, which he then wrapped in duct tape. The two raped and beat Kim for hours until she died from suffocation. They mutilated her with a knife and stuffed refuse, including four-inch-long lollipop sticks, into her vagina and anus. They moved her body to a freezer in Kruse's garage.

At some point, possibly while Kim was still alive, Kruse sat at his computer and sent her one last instant message—his alibi, he thought—asking her if she was done babysitting yet.

The next morning, Kruse and Cam put Kim's body into a hockey bag and boarded a bus. Once at the site where they planned to dump Kim's body, they trudged into the woods and under a bridge. They doused the bag in fuel and lit it on fire.

Outside Investigations – Case # 9

The Crime (continued)

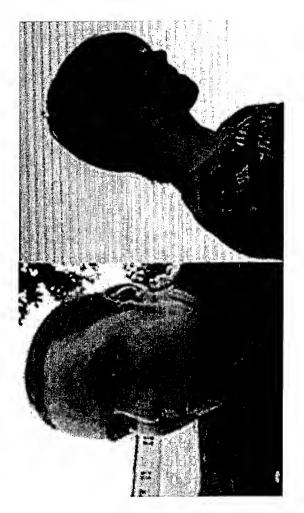At some point while they were dumping Kim's body, Kruse got out his phone and sent a text message. Prior to this, Kruse hadn't tried hard to cover his tracks. But, as he later told the girl from Halifax, sending that text from under the bridge might have been a crucial mistake. He wondered if the police could trace the text from his phone at this spot where Kim's body was dumped. What if his digital trail led them to Kim's body?

With Kim's death consuming the town and the local news, Kruse became increasingly paranoid about leaving any more evidence online. But he couldn't resist the urge to share his story with someone he trusted. He was afraid of using MSN, but he thought the chat logs in *World of Warcraft* were less likely to be saved. Five days after Kim's murder, he told his gamer girlfriend in Halifax on MSN that he had something urgent to tell her, but that he wanted to say it over *World of Warcraft* chat instead. Once inside *World of Warcraft*, he confessed to the crime.

Outside Investigations – Case # 9
The Investigation

Soon, police had enough evidence to secure a warrant to monitor and analyze Kruse's and Cam's online activities. Keeping Kruse and Cam under close surveillance, the police placed traces on their cell phones, and even bugged the gazebo where the teens hung out in the park.

Through forensic analysis of the boys' computers and cell phones, they dug up their Google and Wikipedia searches, as well as old transcripts of texts and instant messages. In total, the Tech Crimes Unit amassed the equivalent of 1.4 billion sheets of paper on the two.

Outside Investigations – Case # 9
The Trial

Cam was led into the courtroom first. He wore a white shirt and black pants and had let his sideburns thicken to his jaw line. Shackles rattled around his ankles.

Kruse followed, also in chains. He was dressed in an ill-fitting gray suit and tie. He wore an owlish pair of glasses, and his hair fell in a bowl cut around his ears.

The hearing was swift. Both boys would be transferred to adult, facilities where, the prosecutor pointed out, a more comprehensive sexual-offender-treatment program is offered, including chemical castration (a controversial drug-treatment plan used in Canada to reduce the likelihood of recidivism in sex crimes).

Outside Investigations – Case # 9

The Aftermath

RIP
Kimberly Patricia Proctor
January 1, 1992 – March 18, 2010

Four months had passed since Kim's death, and her friends were still struggling to recover. Kim's best friend, Samantha Kennedy said, "I haven't laughed since Kim died."

She was searching her memory for hints of the horror that was to come. She wasn't alone. At least four girls have come forward to tell of on-line posts of "rough, fast sex, bondage, and verbally abusive comments, and fantasies of murder" posted by Kruse and Cam in the months leading up to Kim's murder.

HPD Investigations – Case # 1

HPD's Recruiting Division exercised good due diligence by checking a prospective police cadet through social networking sites. The prospective employee was found to have a profile where he had posted photos of himself with gang paraphernalia and weapons.

Further investigation revealed that the candidate was a former (or possibly current) gang member. The candidates' application for employment was denied.

Researching social networking sites prevented the department from hiring a person who could have, at the least, been a gang sympathizer.

HPD Investigations – Case # 2

An Officer with IFR was working an identity theft case. The primary suspect, Chanette Bell, was identified as a suspect in stealing identities, obtaining credit, and placing orders for gift cards at various locations. One location was able to provide clear video footage of the suspect and her accomplices, who were unknown.

The investigator searched Facebook and learned the suspect had a Facebook profile. Her profile led to the profiles of Keyonna Randle and her boyfriend, Lakeith Bell. Photographs of all suspects were subsequently identified as being the persons in the crime scene video.

All three were charged with Engaging in Organized Criminal Activity.

HPD Investigations – Case # 3

A Robbery investigator set up a fictitious Facebook account sent friendship requests to suspects who had Facebook profiles.

This made it possible to access to the suspect's photos, posts, and acquaintances, allowing the investigator was to discover leads that would have otherwise gone undetected.
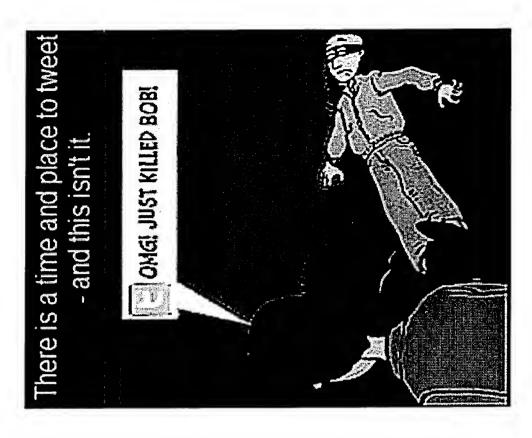
Topics on Prosecution

➢ Tell your victims and witnesses NOT to communicate about the case or the suspect at ALL, let alone on Facebook, MySpace or any other such forum.

➢ Always be professional – remember that you are a police officer 24/7. Don't say anything you would not want attributed to you or the department on the front page of *The New York Times*

There is a time and place to tweet - and this isn't it.

OMG! JUST KILLED BOB!

Topics on Defense – Case # 1

Defense Attorney Steve Balash of Santa Barbara was defending Jessica Binkard in a DUI case where in which one of Binkard's passengers was killed.

Balash expected Binkard would be placed on probation but, instead, she was sentenced to 5 years and 4 months behind bars – in large part because her MySpace profile had a picture of her holding a shot glass and an alcohol advertisement that was published after the accident.

Balash argued that the picture was a Halloween costume and that his client had not been drinking. According the Balash, "That's all the judge talked about. He never got past that." He said Binkard had "learned no lesson and showed no remorse."

Topics on Defense – Case # 2

June 2010 – Matthew Cordova got 5 years in prison for holding up a University of Arizona student with a gun.

Jonathan Mosher, a deputy county attorney in Pima County found a MySpace picture of Cordova holding the weapon and postings about it.
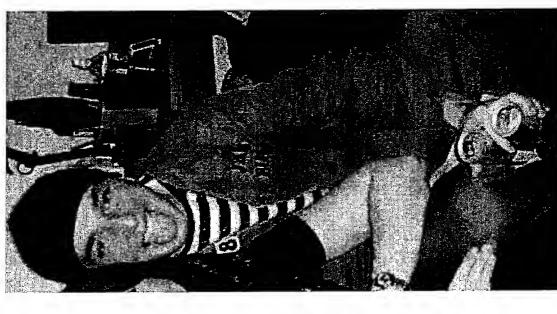
"At sentencing, the defense team was trying to portray him as a guy who had found religion and was very peaceful and hadn't been in much trouble, so that's where we were able to use his MySpace posting and photo, " Mosher said.

Topics on Defense – Case # 3

Joshua Lipton was sentenced to 2 years in prison for seriously injuring a woman while driving drunk. A photo showing Lipton dressed in an "inmate" Halloween costume labeled "jail bird', was taken two weeks after the accident and posted on Lipton's MySpace page.

Prosecutors used it to paint Lipton as an unrepentant partier who lived it up while his victim recovered in the hospital.
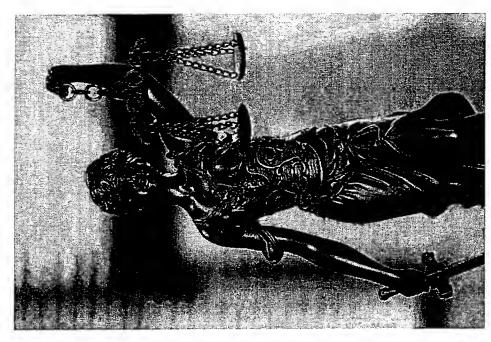
A judge agreed, calling the pictures depraved while sentencing Lipton.

Topics on Defense – Case # 4

In the case of U.S. v. Gregory Alan Ebersole, 263 Fed. Appx. 251 (3rd. Cir. 2008), The defendant's MySpace page was admitted at a supervised release revocation hearing after prosecutors found a posting of the lyrics to a Skanska song called "*Justice Is Coming*" – which go like this:

I used to love her,
but I had to kill her,
I had to put her,
Six feet under,
And I can still hear her complain.

Topics on Defense – Case # 4 (continued)

Ebersole's post concluded:

"I vowed justice against my false accuser and I have never broken my word of honor...I honestly don't know how much time is left before she forces my hand."

Ebersole's attorney argued the MySpace posting was nothing more than a "vehicle to voice [his] frustration."

The District Court didn't buy the argument and found that Ebersole's post violated the conditions of his supervised release because it was reasonable to assume the message would reach the victim and any reasonable person would interpret it as a threat.

Module 4

Capturing Evidence and Working with
Site Administrators

Module Objectives

Module 4 Learning Objectives:

Understanding how proactive versus reactive investigations should be handled, various tools that may be helpful in those investigations, and methods to capture on-screen information for case records.

Lesson Objectives:

1. Acquaint the Learners with considerations regarding proactive and reactive investigations.
2. Acquaint the Learners with various investigative tools
3. Acquaint the Learners with methods to capture on-screen information and videos.

Reactive Investigations versus Proactive Investigations

➤ Working with or as a "profile holder"

➤ Using citizen informants as an agent for law enforcement

➤ Authorized access to accounts

➤ Unauthorized access to accounts

➤ Fruit of the Poisoned Tree

➤ USC 1030
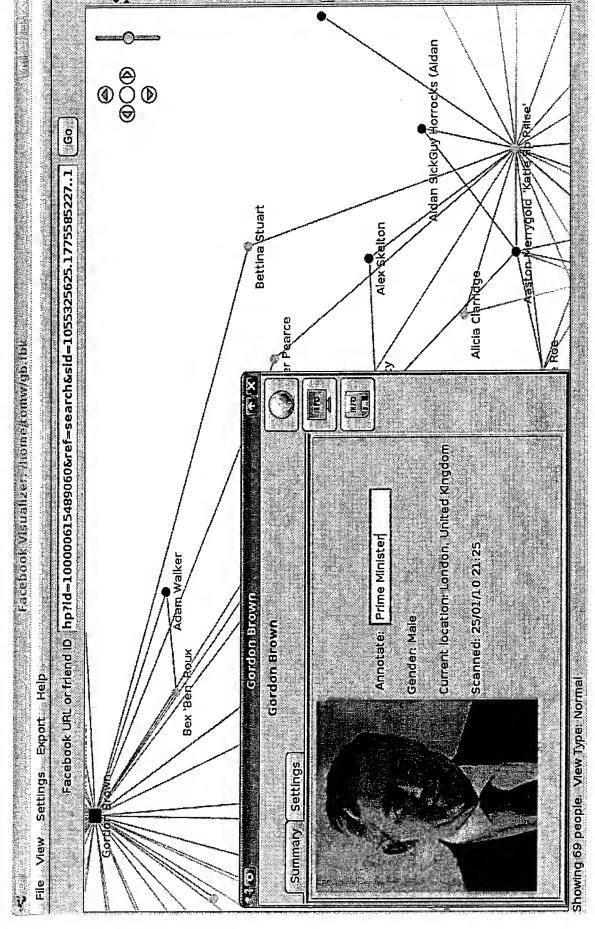
➤ Importance of staying in compliance with each site's Terms of Service (TOS)

Facebook Visualizer
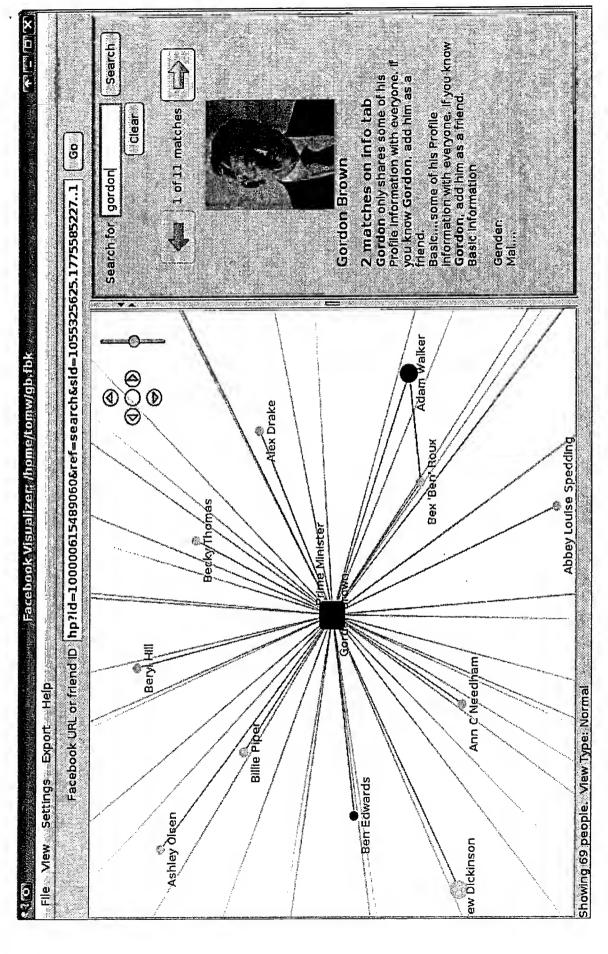
➢ www.lococitato.com

- Law Enforcement use ONLY
- Technically violates Facebook's Terms of Service
- Free version explores up to 200 pages/50 friends
  ✓ Allows for search through all downloaded pages
- Payed version (approx $40.00 per PC) will explore up to 10,000 pages/10,000 friends
  ✓ Allows for information download for a permanent record
  ✓ Allows for View and Export of wall and info tabs for import into Excel, CSV, or other applications
  ✓ Allows for export of error log detailing all errors generated while mapping a network.

Facebook Visualizer

File   View   Settings   Export   Help

Facebook Visualizer: /home/tomw/gb.fbk

Facebook URL or friend ID hp?id=100000615489060&ref=search&sid=1055325625.1775585227..1   Go

Gordon Brown

Adam Walker

Bex 'Ben' Roux

Bettina Stuart

r Pearce

Alex Skelton

Aldan SickGuy Horrocks (Aidan

Alicia Clarridge

Aaston Merrygold 'Katie to Rilee'

Roe

Gordon Brown

Gordon Brown

Summary   Settings

Annotate: Prime Minister

Gender: Male

Current location: London, United Kingdom

Scanned: 25/01/10 21:25

Showing 69 people. View Type: Normal

Facebook Visualizer

MySpace Visualizer

➤ www.lococitato.com

- Free version explores up to 200 pages at once
  - ✓ Allows search through all downloaded pages and blogs, and export of the network as a JPG

- Licensed version (approx $32.00 per PC) will explore up to 1,000 pages at once.
  - ✓ Allows for load and save of all downloaded information including a permanent record of the page source
  - ✓ Allows for export of downloaded images and blogs as a CSV for import into Excel or other applications
  - ✓ Allows for View and Export of page source information; Allows for printing or export to PDF

MySpace Visualizer

MySpace Visualizer

MySpace Visualizer

YT (YouTube) Visualizer

➤ www.lococitato.com

- Free version explores up to 200 pages at once with search and view of all downloaded page and page source information.

- Licensed version (approx $24.00 per PC) will explore up to 1,000 pages at once.
  - ✓ Allows for load and save of all downloaded information including a permanent record of the page source.
  - ✓ Allows for export to CSV for import into Excel or other applications.
  - ✓ Allows for export of the network as a JPG.
  - ✓ Allows for printing or export to PDF.

YT (YouTube) Visualizer

YT Visualizer

File Settings Export Help

Stop   Search

YouTube User VoodooStash

Search for

Jestybeatz

Friends: 8219

Subscribers: 390

Subscriptions: 8

Joined: 20 January 2006

Last Login: 1 week ago

Channel Views: 51,137

Scanned: 28/05/09 20:31

Show source

simplecashpath

BlakeyBoy90

fordmodels

modelsps

VoodooStash

RhetlandLink

stagestorm

rhondaanthonypetersonharvey

paramountpics101

immortalrecords

Syrupswimwear

roger8791

bardc001

Showing 25 people. Getting details for user sieghearr

YT (YouTube) Visualizer

YT Visualizer

File — Settings — Export — Help

YouTube User: BBC   Go

Search for   Search

bbcworldnews

Friends: 0

Subscribers: 21202

Subscriptions: 3

Joined: 03 July 2006

Last Login: 2 hours ago

Channel Views: 1,087,023

Scanned: 28/05/09 20:38

Show source

kesava

Koozle

dizz

bbcteethgrinder

ilKexpat

BBCworldwide

bbcworldnews

svd

PhilJohnnyBo

ThorstenD1

Showing 41 people.

pipl.com

Comprehensive People Search

> www.pipl.com

- People locator service with some free services and several "pay-for" deeper search and location options.
- Accesses the "invisible web" or "deep web"
  - Vast repository of underlying content, such as documents in online databases that general-purpose web crawlers can't reach.
  - Deep web content is estimated at 500 times that of the surface web, yet remains mostly untapped due to the limitations of traditional search engines.
- Since most personal profiles, public records and other people-related documents are stored in databases and not on static web pages, most information about people is simply "invisible" to a regular search engine.

pipl.com

Comprehensive People Search

http://pipl.com/

Google | Pipl

pipl
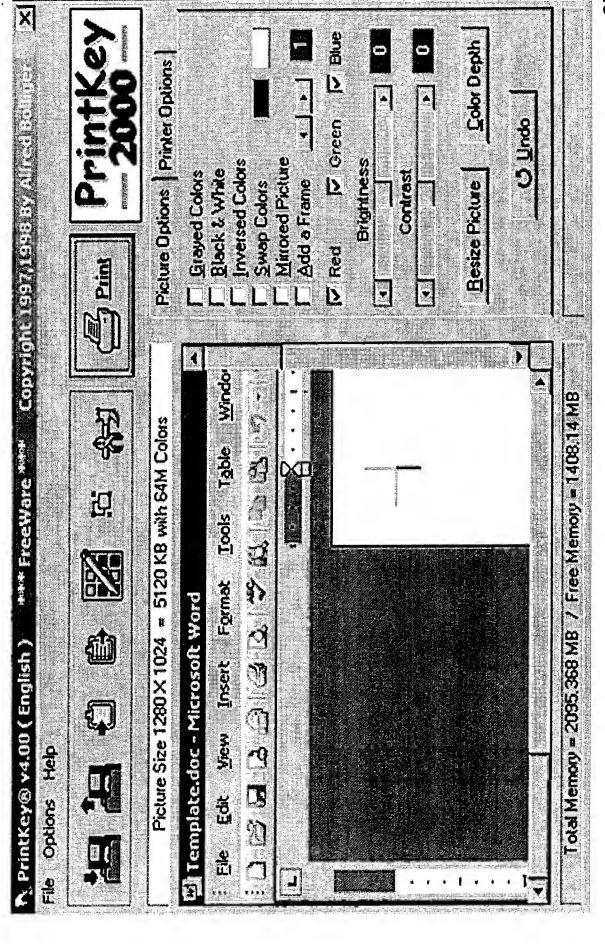
Full Name, Email, Username or Phone...

SEARCH

The most comprehensive people search on the web

We dive into the deep web to bring you results you won't find in any other search engine then we use a powerful identity resolution engine to link those seemingly disparate results into a set of meaningful profiles so you can easily find the person you are looking for.
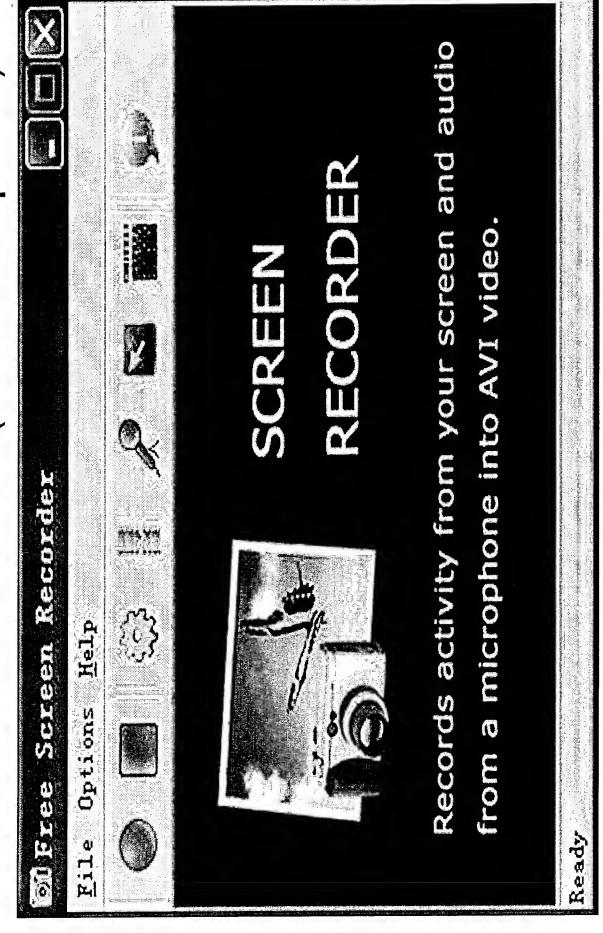
Sounds too good to be true? See what our users have to say, learn more about what's under the hood or just give it a try...

Terms | Privacy | Directory | Developers | Help | Contact | Old Version | © 2006-2011 pipl

PrintKey (Screen Capture)

Screen Recorder (Video Capture)

SCREEN RECORDER

Records activity from your screen and audio from a microphone into AVI video.
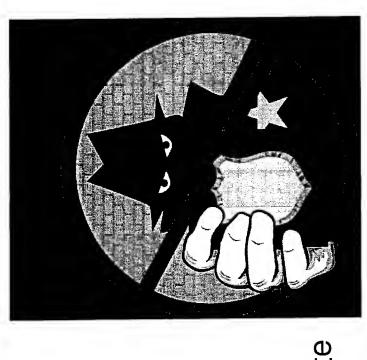
Undercover Investigations

➢ Reasons for undercover investigations include:

   ✓ communicating with suspects

   ✓ gaining access to non-public information, and

   ✓ mapping social relationships and personal networks

➢ Covert nature of undercover investigations will almost certainly violate the site's Terms of Service

➢ U.S. v. Drew – if a law enforcement officer violates a site's Terms of Services, is that "otherwise illegal activity"?

U.S. v. Lori Drew, 259 F.R.D. 449 (C.D. Cal. 2009)

United States v. Lori Drew was a criminal case in which Drew was convicted and then subsequently acquitted of violations of the Computer Fraud and Abuse Act (CFAA) over the "cyber-bullying" of a 13 year old, Megan Meier. Meier died by suicide as a result of the bullying.

Drew, a 49 year old woman, was the mother of one of Meier's former friends. Meier lived four houses down the street from Drew.

Meier met Drew's daughter while in 7th grade and the two became friends. However, Meier transferred to another school and Meier informed Drew's daughter that she no longer wanted to remain friends.

Drew became concerned that Meier was spreading rumors about her daughter and came up with the idea of using a fake MySpace profile for a fictitious 16 year old boy with the alias "Josh Evans" to find out what Meier was saying.

U.S. v. Lori Drew, 259 F.R.D. 449 (C.D. Cal. 2009)

Drew used the fake MySpace account to contact Meier and begin a flirtatious relationship. Meier believed she was in contact with a 16 year old boy, Josh Evans. Around October 16, 2006, the fictitious Josh Evans told Meier that the world would be a better place without her.

Approximately fifteen minutes after this exchange, Meier's mother, Tina, discovered that her daughter had hanged herself from her bedroom closet. Drew, after hearing about Meier's death, deleted the Josh Evans MySpace account and instructed others who knew about her activities to "keep their mouths shut".

U.S. v. Lori Drew, 259 F.R.D. 449 (C.D. Cal. 2009)

On May 15, 2008, Lori Drew was indicted on four separate counts. The first count was an allegation of conspiracy arising out of a charged violation of 18 U.S.C. § 371.

The government alleged that Drew and her co-conspirators agreed to violate the CFAA by intentionally accessing a computer used in interstate commerce "without authorization," in "excess of authorized use," and in order to inflict emotional distress in violation of 18 U.S.C. §§1030(a)(2)(c). This count was based on the assertion that Drew violated the CFAA by accessing MySpace servers to obtain information regarding Meier in breach of the MySpace Terms of Service.

On November 23, 2008, Drew filed a motion for acquittal. Judge George H. Wu presided.

U.S. v. Lori Drew, 259 F.R.D. 449 (C.D. Cal. 2009)

In his opinion, Judge Wu pondered whether an intentional breach of the MySpace Terms of Service could possibly fit the definition of an unauthorized or exceeding authorization access to MySpace computers. He reasoned that such violation could be considered a breach of a contractual agreement.

Ultimately, however, Judge Wu ruled that allowing a violation of a website's Terms of Service to constitute an intentional access of a computer without authorization or exceeding authorization would "result in transforming section 1030(a)(2)(C) into an overwhelmingly overbroad enactment that would convert a multitude of otherwise innocent Internet users into misdemeanant criminals."

For this reason, Judge Wu granted Drew's motion for acquittal.

Government eventually decided not to appeal.

Complainants and Witnesses

➤ The knowledge that complainants and witnesses bring to an investigation with regard to social networking can be a valuable source of information to an investigation, but there are potential pitfalls as well.

➤ Most people access social network sites from the comfort and security of their homes and offices, and the anonymity afforded by this causes them to let their natural defenses down.

➤ Advise complainants and witnesses to NOT discuss cases on social networking sites.

➤ Follow the general rule to think very carefully about what you post.

Use of Social Networking

Use caution in "friending" judges, prosecutors, defense attorneys or others with whom you have or may have a professional relationship.

Posts have a way of coming back to haunt people.

Working with Facebook

➢ Convicted sex offenders are prohibited from using Facebook and their accounts will be immediately disabled and all links broken once Facebook is notified; however, notification must be documented in the form of a link to a listing in a national sex offender registry, a link to an online news article, or court document.

➢ If a Facebook user deletes content from their account, Facebook will not be able to provide that content. Effectively, Facebook and the applicable Facebook user have access to the same content

➢ Facebook's registered agent for service of process is:

Custodian of Records, Facebook, Inc

c/o Corporation Services Company

2730 gateway Oaks Drive

Suite 100

Sacramento, CA 95833

Working with Facebook

➤ Facebook is unable to process subpoenas that DO NOT identify users by their Facebook User ID (UID) or email address associated with the account.

- UIDs can be found in the URL available in a browser displaying the account in question. For example, in the URL: http://www.facebook.com/profile.php?id=1234567890 the number 1234567890 is the UID.

➤ Facebook is unable to produce trial or deposition witnesses on user account records; however, Facebook's custodian testimony will accompany the return of any records resulting from a subpoena.

➤ Facebook reserves the right to notify users prior to responding to any CIVIL subpoena, and to delay any compliance to allow its users to move to quash or otherwise resist a subpoena.

Working with MySpace

- Information that is collected at sign-up includes: a) email address, b) first and last name, c) country, d) postal code (for US, UK, and Canada only), e) gender, and f) date of birth; however, none of this information is validated so it may not be accurate.

- MySpace requires a subpoena for information such as: a) IP logs (recorded at time of login), b) dates and times of login (PST), c) email address, d) Zip code, e) name, or f) private messages.

- IP address information may not be accurate if the target of an investigation uses a proxy

- MySpace is a free service so administrators do not have street address or credit card information.

- MySpace may disclose private information to law enforcement without a subpoena in limited, emergency situations in which the safety of a member of the public is at risk and there is insufficient time for the law enforcement agency to obtain a subpoena. In these circumstances, MySpace requires the delivery of a signed statement on a law enforcement letterhead certifying the existence of an emergency and all the info that would be required in a subpoena.

Working with MySpace

➤ MySpace does not retain information that is altered or removed on an active profile. Once a change is made, existing information is overwritten.

➤ IP logs are available for up to 90 days after the user's last login.

➤ User's Inbox information is retained until the user removes them. MySpace cannot recover messages unless it is in another user's Sent Mail. Sent Mail is retained for 14 days.

➤ Trash Mail is retained for 30 days or less – users can empty their trash at any time, at which time the mail is no longer available.

Working with MySpace

Deleted Accounts

- No mail is available for deleted accounts.
- User ID, IP Address, Login date stamps are retained for up to 90 days after deletion.
- Profile information is available for up to ten days after account deletion.

Preserving an account

- MySpace offers that a Letter of Preservation can be faxed to them, but there are caveats:

    a) Preserved accounts my not be able to log-into the account but they are still publicly viewable,

    b) MySpace can only preserve a currently active (non-deleted) account, and

    c) Information in the Sent Mail/Trash Can is still subject to automatic deletion.

110

Working with MySpace

➤ If restricting the user's access to the profile will impede an investigation, investigators can request that private messages be output to a flat file for preservation before a subpoena is served.

➤ Investigators MUST state the "FriendID" in the subpoena of the account(s) for which information is needed. The FriendID can be located in the web address of the profile in question.

   For example, where FriendID is "6221"
   http://www.myspace.com/index.cfm?fuseaction
   =user.viewProfile&friendID=6221&Mytoken
   =200505181161358

➤ MySpace can respond to court requested information with approximately a 2-week turnaround

➤ The preferred way to transmit requested information is via email with an Excel spreadsheet attachment – so specify on the subpoena the email address results can be sent to. MySpace will accept subpoenas delivered by fax or mail.

Working with MySpace

MySpace can be reached at:

1333 2nd Street, First Floor
Santa Monica, CA 90401
Phone: 310-917-4949
Fax: 310-394-4180

Working with Twitter

➤ Twitter does not provide multimedia (photos or videos) hosting other than for a user's profile picture and account background image, and therefore is not able to provide images or videos that a user may share through their account via any 3rd party.

➤ Non-public information about Twitter users will not be released without a subpoena, court order, or other valid legal process document.

➤ Even though Twitter collects and stores information of users, the information may not be accurate if the user has created a fake or anonymous profile. Twitter does not require email verification or identity authentication.

➤ Twitter will notify users of requests for their information prior to disclosure unless they are prohibited from doing so by statute or court order.

Working with Twitter

➤ Twitter retains different types of information for different time periods.

➤ Some information may be only stored for a very brief period of time.

➤ Preservation requests must be signed, include a valid return email address, and sent on law enforcement letterhead delivered by mail or fax

➤ Twitter can be contacted through:

Email: lawenforcement@twitter.com

Fax: 1-415-222-9958 attn: Trust & Safety

Mail: Twitter, Inc
795 Folsom Street
Suite 600
San Francisco, CA 94107

IMPORTANT – Only email from law enforcement domains will be accepted. All others will be disregarded.

Module 5

Utilities and Resources

Module Objectives

Module 5 Learning Objectives:

Understand key terms and definitions, and various on-line and stand-alone utilities that can be used to locate and harvest social networking information.

Lesson Objectives:

1. Acquaint the Learners with various utilities and resources that are able to locate and extract information from social networking and social media sites as well as from the Internet in general.

2. Acquaint the Learners the functionality and services of utilities and resources, how they operate, and the information they may provide during the legitimate investigation of criminal offenses.

Terms and Definitions

Meta Data - is an ambiguous term which is used to describe "data about data". Metadata is traditionally found in the card catalogs of libraries. As information has become increasingly digital, metadata also includes, but is not limited to:

✓ Means of creation of the data
✓ Purpose of the data
✓ Time and date of creation
✓ Creator or author of data
✓ Placement on a computer network where the data was created
✓ Standards used
✓ The basic information of a piece of music, a picture, or file

For example, a digital image may include metadata that describes how large the picture is, the color depth, the image resolution, when the image was created, and other data. A text document's metadata may contain information about how long the document is, who the author is, when the document was written, and a short summary of the document.

Terms and Definitions

Web Spiders or Web Crawlers – are computer programs that browse the Internet in a methodical, automated manner.

Many sites, in particular search engines, use "spidering" as a means of gathering up-to-date data. Web crawlers create a copy of all the visited pages for processing by a search engine. The search engine indexes the downloaded pages to provide faster searches. Crawlers can also be used for harvesting e-mail addresses.

A Web crawler is a type of bot, or software agent, that, in general, starts with a URL to visit and then copies all the hyperlinks and content on that and nested pages.

Terms and Definitions

Data Aggregation and Inference – is a multiple-criteria decision-making operation. Whether in our daily lives or in a professional settings, there are usually multiple conflicting criteria that need to be evaluated when making decisions. For example, in purchasing a car, cost, comfort, safety, and fuel economy may be some of the main criteria we consider.

In our daily lives, we usually weigh multiple criteria implicitly and we may be comfortable with the consequences our decisions that are made based on only intuition.

On the other hand, when stakes are high, it is important to properly structure the problem and explicitly evaluate each criterion. This leads to more informed and better decisions.

Data Aggregation and Inference can be accomplished by just giving a topic good thought, or by automated mathematical computerized models.

411.Com (People Search)

http://www.411.com/

Google | 411.com — Official |

411.com
Free directory assistance

| Find a Business | Find People | Reverse Phone | Reverse Address | Area & ZIP Codes |

Find a Business

Category or name

Houston, TX

Find

Find People

First name

* Last name

City, State or ZIP

Find

Abika.com (People Search)

Abika*

Criminal Records Background check Reverse Phone Lookup Driving Records People Search Marriage Records Verify College Degrees Employment Check covers public records

Personality Profiles
Behavior Background

Search Backgrounds
Doctors, Dentists, Lawyers
Financial Advisors
Verify Licenses
Accountants
ChildCare Providers
Dates; Lovers; Spouses
Home Contractors
Free Background Checks

Reverse Search
email address:
Instant Messenger Name

Track email
Instant message

Marriage Records
Divorce Records
Search Relatives
Girlfriends/Boyfriends
Roommates/Spouses

Search Police Reports
Accident Reports

Search Assets such as
Businesses & Stocks

Business Background Check
Business Credit Reports
Business Lawsuits; Liens;
Judgments Lookup

Find address from Latitude Longitude

Search Criminal Records by State, County or Federal
Nationwide and Worldwide Civil & Criminal records search
Find criminal & civil cases, judgments, Filing dates, Closing dates, Filing types, Case Numbers, Party Names, Case Summaries, Attorney Names, charges, convictions, felonies, misdemeanors, sentences, Incarceration records, sex offender records, court dockets, dispositions, pending or dismissed cases, lawsuits, verdicts, wants, warrants, Police reports, USA 50 states and Washington DC criminal court records.

Tax Records, Mortgage and Lien Records, Evictions
Home Values, Property Photos & Sales History
Find tax records including tax assessor (latest tax roll) and transfers (deed transfers), property photos, land & legal info, seller histories. Instant property records search. Lookup Liens, claims on property.

Lookup IP Address, Email, Instant Messenger Name, Websites, Domains
Lookup email, Instant Message, IP, city, state, country, longitude, latitude, possible street, Website or Domain Name Background, Domain Name Background. New email or IM Name from old.

Background Checks, Personality Profiles
Criminal Records, Court Records, Aliases, Education
Personality traits, Likes, Dislikes, Hobbies,
Birth Dates, Names of Relatives, Roommates, Neighbors
Current Address & 30 year history, Police Reports
Property Ownership, Employment Status, Tax Liens, Civil Judgments

Traffic Violations, License Plate, Driving History
Trace Cars, Drivers License, Vehicle History Reports
Traffic Violations, Name, Address, License Plate Number, Insurance Status, Driving record, license type, driving status, driving restrictions, Infractions, Car Histories, Vehicles registered to a name or address. Title histories, Verify Drivers Licenses.

Monitor your Identity, Identity theft Protection
Get daily monitoring of your identity. IDWatch monitors your credit report, address history, aliases, background information and more to help you determine if you are at risk for identity theft and alerts you of any changes in your public records. Information in commercial databases and suspicious activity within your identity in real time, before you become a victim of identity theft.

Phone Number Search, Phone Number Lookup,
Cell Phone, Caller ID & Directory Assistance
Search telephone, fax, payphone, voip, mobile, cell phone, toll free or pager directories, phone book white and yellow Pages worldwide. Phone searches only search publicly available resources.

Verifications

Verify Employment History
Verify Income & Salaries,
Verify Education Degrees
Civil Court Records
Real Property
Search Assets and more,
Verify Immigration & Citizenship
Verify Social Security Number
Death Records Search

Search People
Find Locate Someone

Find Birthday, Friends, Classmates, Relatives, Co-workers Lost Love, ex-spouses, Debtors, Death records, emails, IM's, High School & College Reunions

Find People by First Name or Maiden Name

People search relatives & identify their relationships

Find current & ex-spouses, brothers, sisters, children, parents, grandparents, aunts, uncles, cousins, in-laws, nephews, nieces, grand kids.

Search Ancestors create Family Tree.

Search Birth & Death Certificates,
Resumes

Memos, Documents, Signatures
Medical Records, Political Donations, Retail
Sales, Bank Deposits

Classmates.com

classmates

Hello! Sign in or register for free | Help

Find School Friends | Yearbooks

Classmates® is the best way to find old high school friends and browse the biggest collection of yearbooks on the web.
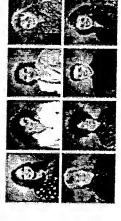
I graduated in:

Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
District of Columbia
Florida
Georgia
Hawaii
Idaho

Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri

Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania

Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin
Wyoming

Classmates® is the best way to reconnect with high school friends and browse yearbooks covering more than 30 million people.

Discover how millions of people have reconnected with friends from their high school years. With over 50 million members, we make it easy to discover what other alumni are doing now, get news on your reunion, and share old high school photos.

Check out yearbooks, schools and alumni on Classmates®!

1971 Yearbook
Hemet High School
Moraga, CA

1962 Yearbook
East Greene High School
Redlands, ND

1988 Yearbook
Briarcliff High School
Atlanta, GA

MyLife.com

Login | Sign Up for Free

mylife

Find and stay connected with everyone

Personal & work connections, all in one place

Over 60 million members!

- Connect to your ⓕFacebook, ⓔTwitter and ⓘ⓷ LinkedIn accounts all at once – NEW

- Find friends, family members, colleagues and other professionals.

- Discover new connections and old friends with Who's Searching for You®

Who's Searching For You® Learn More

Your First Name

Your Last Name

Your Age

Zip Code

Find Out Now

Find Anyone Now!

Search over 200 million adult profiles instantly.

Their first Name

Their last name

Approx. age

View Results

123

Spokeo.com

http://www.spokeo.com/

Google | Spokeo: People Search

Join | Login

spokeo

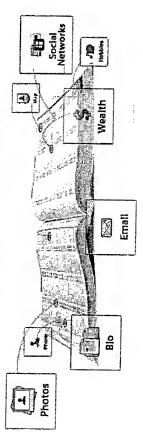| NAME | EMAIL | PHONE | USERNAME | FRIENDS |

Enter a first and last name   Example: John Doe or Jane Doe, Los Angeles, CA

Not your grandma's white pages.

Photos

Phone

Bio

Email

Map

Wealth

Social Networks

Hobbies

What is Spokeo?

Spokeo is a people search engine that organizes vast quantities of white-pages listings, social information, and other people-related data from a large variety of public sources. Our mission is to help people find and

White Pages Directory

Find people and browse by first name initial:

A	B	C	D	E	F	G	H	I
J	K	L	M	N	O	P	Q	R

Popular People Searches

1. Joseph Walker
2. Patricia Harris
3. David Robinson
4. Jennifer Harris
5. Thomas Lopez
6. Lisa Williams
7. Michael Johnson
8. Elizabeth Hill
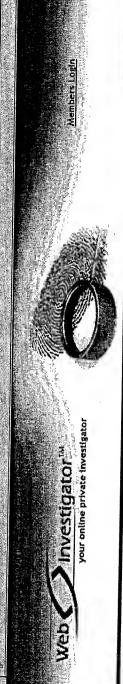
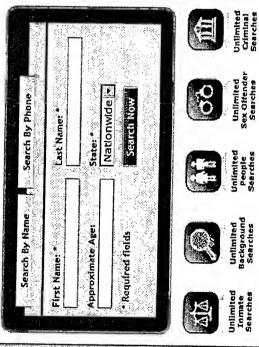# Web Investigator.org

Web Investigator™
your online private investigator

Members Login

FIND OUT THE TRUTH ABOUT PEOPLE WITHIN MINUTES
And investigate what others can know about you....

Why PAY for a private investigator when you can BE an investigator in 3 minutes! You'll be a pro that can access databases that previously only police departments and federal governments could access.

Please use the form below to start your investigation:

| Search By Name | Search By Phone |

First Name: *

Last Name: *

Approximate Age:

State: *
Nationwide ▾

Search Now

* Required fields

Unlimited
Inmate
Searches

Unlimited
Background
Searches

Unlimited
People
Searches

Unlimited
Sex Offender
Searches

Unlimited
Criminal
Searches

With WebInvestigator you can:

☑ Search over 225,000,000 U.S. residents - FAST!

☑ Get Access to over 300 Million Criminal Records - Arrests, Warrants, Misdemeanors, Felonies

☑ Access over 1 billion Public Records - All conveniently located in our exclusive MEMBERS site

☑ Get Data from Public and Private Sources - no more hours of surfing hundreds of sites

☑ Information on 90% of US residents - super odds you're going to find that certain person

☑ Perform Unlimited Phone Searches - save time - and stop prank calls

☑ Perform Unlimited Background Checks - Addresses, Phones, Incomes, Property, Criminal Records and more!

☑ Search Arrest and Warrants - Database is updated weekly

☑ Unlimited Access to Vital Records - Marriage, Divorce, Birth and Death Records

☑ Search Inmate and Felony Records - Search through millions of State and Federal Inmates

☑ Find Property Records - Neighbors yards full of junk? Need to find the owners of the property?
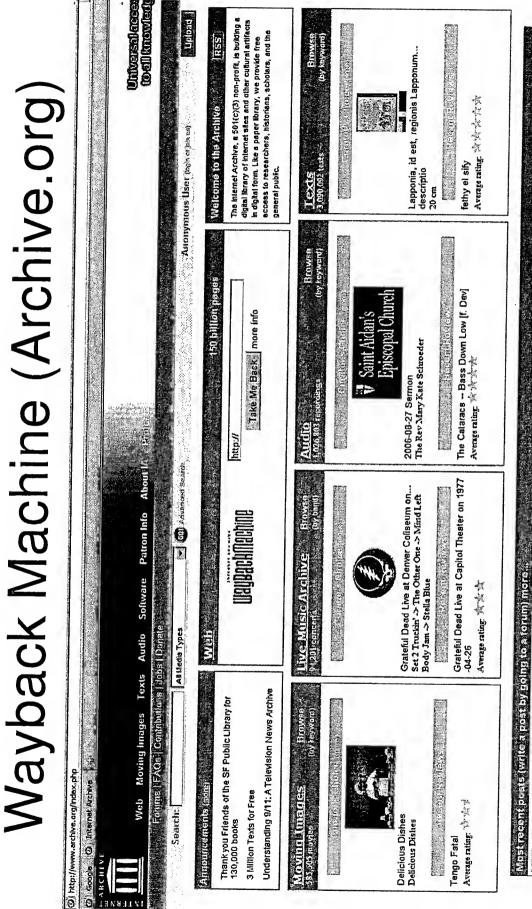
Wayback Machine (Archive.org)

Browse through over 150 billion web pages archived from 1996 to a few months ago. To start surfing the Wayback Machine, type in the web address of a site or page where you would like to start, and press enter.

Then select from the archived dates available.

The resulting pages point to other archived pages at as close a date as possible.

Archive.org is dedicated to preserving web-based content, including web pages, moving images, texts, audio, and software. All of the content is free.

Wayback Machine (Archive.org)

http://www.archive.org/index.php

Google | Internet Archive

INTERNET ARCHIVE

Web   Moving Images   Texts   Audio   Software   Patron Info   About I...

Forums | FAQs | Contributions | Jobs | Donate

Universal access to all knowledge

Anonymous User (login or join us)

Search: [All Media Types] [GO] Advanced Search

Upload

Announcements (index)

Thank you Friends of the SF Public Library for 130,000 books

3 Million Texts for Free

Understanding 9/11: A Television News Archive

Web
150 billion pages

http:// [Take Me Back] more info

wayback machine

Welcome to the Archive
RSS

The Internet Archive, a 501(c)(3) non-profit, is building a digital library of internet sites and other cultural artifacts in digital form. Like a paper library, we provide free access to researchers, historians, scholars, and the general public.

Moving Images
351,505 movies

Browse (by keyword)

Delicious Dishes
Delicious Dishes

Tengo Fatal
Average rating: ★★★☆

Live Music Archive
91,201 concerts

Browse (by band)

Grateful Dead Live at Denver Coliseum on... Set 2 Truckin' -> The Other One -> Mind Left Body Jam -> Stella Blue

Grateful Dead Live at Capitol Theater on 1977 -04-26
Average rating: ★★★☆

Audio
1,026,903 recordings

Browse (by keyword)

Saint Aidan's Episcopal Church

2006-08-27 Sermon
The Rev Mary Kate Schroeder

The Cataracs -- Bass Down Low [F. Dev]
Average rating: ★★★★

Texts
3,090,092 texts

Browse (by keyword)

Lapponia, id est, regionis Lapponum... descriptio
20 cm

fethy el sify
Average rating: ★★★★★

Most recent posts (write a post by going to a forum) more »

Posts	Forum	Replies	
Re: Catch of the Day (and Asians on a Pin)	wisconsindead	GratefulDead	0	26 minutes ago
Re: Catch of the Day (and Asians on a Pin)	SomeDarkHollow	GratefulDead	0	26 minutes ago
Re: TDIH 1970 Capitol Theater, Port Chester NY	deyzol49	GratefulDead	0	33 minutes ago
PO films of 1946	Moongleam	feature_films	0	49 minutes ago
Re: OWS issues - Koch Bros suppressing Voters Rights	dead-head_Monte	occupywallstreet	0	1 hour ago
Re: Catch of the Day (and Asians on a Pin)	robthewordsmith	GratefulDead	2	1 hour ago

WebReaper

WebReaper is web crawler or spider, which can work its way through a website, downloading pages, pictures and objects that it finds so that they can be viewed locally, without needing to be connected to the internet. The sites can be saved locally as a fully-browsable website which can be viewed with any browser (such as Internet Explorer, Netscape, Opera, etc), or they can be saved into the Internet Explorer cache and viewed using IE's offline mode as if the you'd surfed the sites 'by hand'.

To use WebReaper, simply enter a starting URL, and hit the Go button. The program will then download the page at that URL, parsing the HTML as it goes, looking for links to other pages and objects. It will then extract this list of sub-links and download them. This process continues recursively until either no more links fulfill WebReaper's filter criteria or your hard disk becomes full - which ever happens first!

The locally saved files will have their HTML links adjusted so that they can be browsed as if they were being read directly from the internet.

WebReaper

www.dilbert.com - WebReaper

File   View   Link   Filter   Window   Help

www.dilbert.com

Thread

1: Requesting http://www.dilbert.com/comics/dilbert/about/html/linkicons.html...
2: Requesting http://www.dilbert.com/comics/dilbert/about2/html/faq_site.html...
3: Requesting http://www.dilbert.com/comics/dilbert/animations/index.html...
4: Received response

Add Filter   URLs or parts of URLs

All objects
Links on this server

Filter

URL/Title	Size	Type	Status	Last Modified	I...
Dilbert.com - The Official Dilbert Website b...	49.0...	text/html	Complete	20/06/2001 10:0...	S...
ad.doubleclick.net/ad/dilbert.com/sponsor-...	n/a		Skipped	n/a	F...
ad.doubleclick.net/ad/dilbert.com/sponsor-...	n/a		Skipped	n/a	F...
ad.doubleclick.net/ad/www.dilbert.com/ho...	n/a		Skipped	n/a	F...
ad.doubleclick.net/ad/www.dilbert.com/ho...	n/a		Skipped	n/a	F...
ad.doubleclick.net/ad/www.dilbert.com/ho...	n/a		Skipped	n/a	F...
ad.doubleclick.net/ad/www.dilbert.com/ho...	n/a		Skipped	n/a	F...
ad.doubleclick.net/jump/dilbert.com/spons...	n/a		Skipped	n/a	F...
ad.doubleclick.net/jump/dilbert.com/spons...	n/a		Skipped	n/a	F...
ad.doubleclick.net/jump/www.dilbert.com/...	n/a		Skipped	n/a	F...
ad.doubleclick.net/jump/www.dilbert.com/...	n/a		Skipped	n/a	F...

Dilbert.com - The Official Dilbert Website

Dilbert.com - The Official Dilbert We

www.dilbert.com/comics/dilbert/
www.dilbert.com/comics/dilbert/
www.dilbert.com/comics/dilbert/
www.dilbert.com/comics/dilbert/
www.dilbert.com/comics/dilbert/
www.dilbert.com/comics/dilbert/
www.dilbert.com/comics/dilbert/
www.dilbert.com/comics/dilbert/
www.dilbert.com/comics/dilbert/

Status: HTTP_STATUS_NOT_FOUND - http://www.dilbert.com/+rag_b +
Status: HTTP_STATUS_NOT_FOUND - http://www.dilbert.com/OpenMediaWindow("/comics/dilbert/popup_0401.html");return(false)
Status: HTTP_STATUS_SERVER_ERROR - http://www.dilbert.com/bin/Form_processor/form_processor.cgi

Log

Enter a URL to start crawling

0b/sec   45 pending   4 threads   No time limit.

129

FOCA

FOCA is a tool that allows you to find out more about a website by analyzing the metadata in any documents on it.
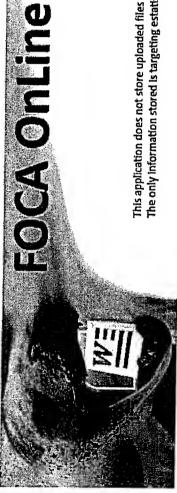
The process is surprisingly easy. Simply point FOCA at your website, click the Search All button, and FOCA will display all the PDF, Microsoft Office, Open Office and other documents on the site that have been indexed by the popular search engines.

Then, in a couple of clicks, you can have FOCA download these documents, extract their metadata, and summarize the results in a simple report. Exactly what might be exposed depends on the documents, what was used to create them, and how well they've been cleaned, but commonly you'll see user names, network folders, printer names, email addresses, details on the software that was used to create the files, and more.

FOCA On-Line (informatica64.com)

http://www.informatica64.com/foca/

Google | FOCA Online

FOCA OnLine

Informática 64
Seguridad y Consultoría

This application does not store uploaded files or their content either.
The only information stored is targeting estatistic objectives.

Supported Extensions:
.doc .ppt .pps .xls .docx .pptx .ppsx .xlsx .sxw .sxc .sxi .odt
.ods .odg .odp .pdf .wpd .svg .svgz .jpg

Browse...   Analyze File !

Show FOCA statistics

Download FOCA

ooMetaExtractor

Informática 64
www.informatica64.com

FOCA Stand-Alone

BBC - FOCA Free 3.0

Project | **Tools** | **Options** | **TaskList** | **About** | **Donate**

Buy the new T-Shirt

- BBC
  - Network
  - Domains
  - Roles
  - Vulnerabilities
  - Metadata
    - Documents (2649/2660)
      - .doc (654)
      - .docx (8)
      - .pdf (1985)
      - Unknown (2)
    - Metadata Summary
      - Users (696)
      - Folders (469)
      - Printers (47)
      - Software (208)
      - Emails (35)
      - Operating Systems (7)
      - Passwords (0)
      - Servers (0)

Attribute | **Value**

All printers found (47) - Times found

Attribute	Value
\\bbcrp2003\L337304-TCRNe01:winspoolHP LaserJet 4050 Series PCL	1
PR8545\\WC1BURP04APR8544-8UHP8F0420HP LaserJet 4100 PCL 6	2
\\bbcrp2015\S028497-MCNe05:winspoolHP LaserJet 4250 PCL 6	2
\\bbcrp2004\L426447-tcNe00:winspoolHP LaserJet 4200 PCL 6	2
\\bbcrp2007.national.core.bbc.co.uk\L382243-TCNe06:winspoolHP LaserJet 4100 PCL 5e	2
\\bbcrp6\MP2\S049352\G4EX (Shon Mario X (C220)Ne03:winspoolHP LaserJet 4250 PCL 6	1
\\bbcrp2015\N001576-BCNe02:winspoolHP LaserJet 4050 Series PCL 6	1
\\bbcrp2006\S009173-TVC-EX (6070)Ne04:winspoolHP LaserJet 4250 PCL 6	1
\\bbcrp2002\PR8673-buNe00:winspoolHP LaserJet 4100 PCL 6	1
\\bbcfs5003\341984-cwrNe01:winspoolHP LaserJet 4050 Series PCL 6	1
\\bbcrp7004\S036108-PQNe06:winspoolHP LaserJet 4250 PCL 6	1

Time	Source	Severity	Message
11:46:15	MetadataSearch	low	Document metadata extracted: C:\Users\Mike\AppData\Local\Temp\ahlbeck_solar_activity (1).pdf
11:46:15	MetadataSearch	low	Document metadata extracted: C:\Users\Mike\AppData\Local\Temp\catchphrase-lesson-98 (1).pdf
11:46:16	MetadataSearch	low	Document metadata extracted: C:\Users\Mike\AppData\Local\Temp\vmar (1).pdf
11:46:16	MetadataSearch	low	Document metadata extracted: C:\Users\Mike\AppData\Local\Temp\csr_report_2009_2010 (3).pdf
11:46:17	MetadataSearch	low	Document metadata extracted: C:\Users\Mike\AppData\Local\Temp\RTNAB98 (1).PDF
11:46:17	MetadataSearch	low	Document metadata extracted: C:\Users\Mike\AppData\Local\Temp\newsletter_122.pdf

Conf | **Deactivate AutoScroll** | **Clear** | **Save log to File**

All documents were analized

Firesheep

When logging into a website you usually start by submitting your username and password. The server then checks to see if an account matching this information exists and if so, replies back to you with a "cookie" which is used by your browser for all subsequent requests.

It's extremely common for websites to protect your password by encrypting the initial login, but surprisingly uncommon for websites to encrypt everything else. This leaves the cookie (and the user) vulnerable. HTTP session hijacking (also called "sidejacking") is when an attacker gets a hold of a user's cookie, allowing them to do anything the user can do on a particular website. On an open wireless network, cookies are basically shouted through the air, making these attacks extremely easy.

Firesheep, a Firefox extension, is designed to demonstrate just how serious this problem is. After installing the extension you'll see a new sidebar. Connect to any busy open WiFi network and click the big "Start Capturing" button. Then wait. As soon as anyone on the network visits an insecure website known to Firesheep, their name and photo will be displayed. Double-click on someone, and you're instantly logged in as them.

Firesheep

134

Firesheep

Firesheep

FBpwn

FBpwn is a Java-based Facebook profile dumper. It sends friend requests to a list of Facebook profiles, and polls for the acceptance notification. Once the victim accepts the invitation, it dumps all their information, photos and friend list to a local folder.
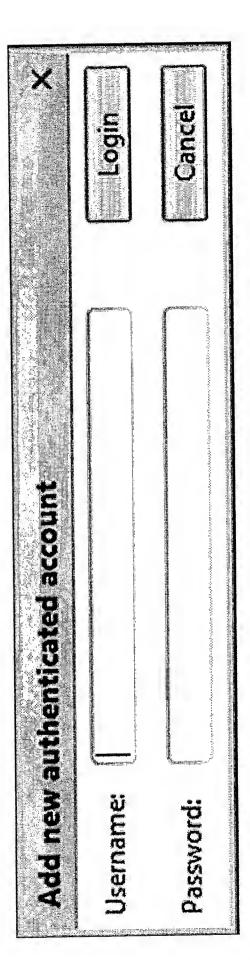
A typical use scenario is to gather information from a user profile. Available plugins are just a series of normal operations that any Facebook user could manually do. FBpwn just automates the process to increase the chances of you getting the info.

Typically, first you create a new blank account for the purpose of the project. Then, the "friending" plugin works by adding all the friends of the victim (so you have some common friends). Then the "cloning" plugin asks you to choose one of the victims friends. It will only display the picture and name of the chosen friend in authenticated account you created.

Afterwards, a friend request is sent to the victim's account. The dumper waits for the friend to accept. As soon as the victim accepts the request, the dumper saves all accessible HTML pages (info, images, tags, ...etc) for offline examining.

After a a few minutes, the victim will probably "unfriend" the fake account after he/she figures out it's a fake, but it's too late.

137

FBpwn

FBPwn - Beta - Version 0.1.3

File   Help

Authenticated Accounts Management | Monitor Submitted Tasks

Account ID

Account E-mail

Add account

Remove account

Attack!

Exit

138

FBpwn

Add new authenticated account

Username:

Password:

Login

Cancel

139

FBpwn

Add a new task

Friend URL:

Output directory: J:\DataBase\FBPwn~beta~0.1.3\FBPwn~beta~0.1.3

Polling Time [0 ↕] sec(s)

Launch Attack

Browse

Cancel

Available modules

AddVictimsFriends
CheckFriendRequestTask
DumpFriendsTask
DumpImagesTask
DumpInfoTask
DumpThumbnailImagesTask
ProfileClonerTask

↑ ↓   ← →

Selected modules

140

FBpwn

FBPwn - Beta - Version 0.1.3

File   Help

Authenticated Accounts Management | Monitor Submitted Tasks

Authenticated Profile	Target Profile URL	Module	Status	Progress	State
	https://www.faceb...	Check friend request	RequestAccepted	100%	Finished
	https://www.faceb...	Dump all photos	Dumping Album1/2	18%	Running
	https://www.faceb...	Dump all photos	Pending	0%	Waiting
	https://www.faceb...	Dump profile info	Pending	0%	Waiting

Remove Finished   Remove Task   Cancel Task   Exit

Cree.py

Cree.py is a Python-based application that uses geo-location data from social networks and image hosting services to build a minute by minute time line of a person's movements.

The tool was not created to assist stalkers, but to make people think twice about opting-in to geo-location features on Twitter and similar social networking sites.

Cree.py can currently retrieve information from all variants of Twitter's tweet location information, geo-location data from image hosting services or EXIF tags in photos posted. It currently supports Twitter and re-tweeted Foursquare check-ins and is able to access photos on Flickr, Twitpic, Yfrog, Img.ly, Plixi, Twitrpix, Foleext, Shozu, Pickhut, Moby.tu, Twitsnaps and Twitgoo and extract their EXIF tags.

It then presents the results through a desktop GTK+ application using maps from Google, Virtual Maps or Open StreetMap.

Cree.py

Creepy location creeper

Creepy Edit Help

Targets | Map View

Fill in the details for your targets or use the search function below

Twitter Username

Flickr UserID   (*XXXXXXX@XXX*)

Geolocate Target

Use the form below to search for twitter users if necessary

Search for: amybeth

Screen Name ▾ | Full Name ▾ | Photo

Search

Clear

Use the form below to search for flickr users if necessary

Search for:

Username ▾ | Full Name ▾ | Location ▾ | Photo

Search

Search for real name

Clear

Cree.py

Cree.py

Cree.py location craeper

Creepy Edit Help

Targets | Map View

Latitude	Longitude	Time
47.609721	-122.333611	2011-0
47.609721	122.333611	2011-0
48.735082	-122.470592	2011-0
48.735082	122.470592	2011-0
48.735082	-122.470592	2011-0
48.752714	-122.469411	2011-0
48.752714	122.469411	2011-0
48.748054	-122.480199	2011-0
47.70574746	-122.3264122	2011-0
47.70574746353	122.326412201	2011-0
47.44361756	-122.30255127	2011-0
47.4439149	122.3020195	2011-0
40.64512192	-73.78349304	2011-0
40.64512191184	73.783493042	2011-0
40.7374776	-74.0309093	2011-0

nl

Module 6

Additional Legal and Practical Issues

Module Objectives

Module 6 Learning Objectives:

Understand how industry-wide plans for Federated Identity services, changing Terms of Service, and enhanced Privacy Policies will impact investigations, as well as understand the various unresolved issues that law enforcement officers need to be aware of.

Lesson Objectives:

1. Acquaint the Learners with Federated Identity services planned by the major service providers.

2. Acquaint the Learners with the importance of considering Terms of Service and Privacy Policies of social networking sites.

3. Acquaint the Learners with various unresolved issues related to when, how, and why law enforcement officers can use social media in investigations.

Federated Identity

➢ Social networking sites are increasingly developing hybrid functions and moving toward federated identity schemes such as OpenID and Facebook Connect.

➢ Facebook, MySpace, Yahoo! And Google all have projects underway to act as Identity Authenticators – moving to a Single Sign-In model where a user can log-into Facebook using Google credentials.

➢ If attribution of activity is necessary, must determine the identity provider

Terms of Services & Privacy Policies

➢ Social networking sites have extensive terms of service and privacy policies. Most of the policies are undergoing intense scrutiny by privacy advocates and are adapting in a way that may not favor law enforcement.

➢ Most sites permit emergency disclosure of information to law enforcement without a need for a warrant, but most sites have have very brief windows of opportunity to capture information after it is deleted or modified by the user.

➢ All sites specify exceptions to respond to legal process and protect the service against fraud or damage, but recovery of information is extremely time and activity sensitive.

➢ U.S. v. Drew – Can failure to follow Terms of Service render access unauthorized under 1030? Employment policy cases tend to say "yes" but there are concerns that Terms of Service could transform into a privately-managed criminal code for site misconduct

Unresolved Issues

➤ A difficult issue for Defense Attorneys is whether anything can or should be done about existing, harmful information that a client has posted on a social networking site. Even if law enforcement can retrieve the information, the fact that it existed and was destroyed could be interpreted as an attempt to obstruct justice by deleting incriminating information during a pending investigation.

▪ U.S. v. Wortman, 488 F 3d 752 (7th Cir. 2007) involved a defendant that was convicted of obstruction of justice for destroying incriminating evidence that belonged to her boyfriend after learning that he was under investigation by the FBI

➤ Social networking companies tend to cooperate with law enforcement's requests for information but defense requests are frequently opposed. This may be nice for us but the courts will eventually move to level the playing field if social networking companies don't find a balance.

Unresolved Issues (continued)

➢ Thorny ethical and legal issues can arise if, during an investigation of a social networking site, law enforcement acts untruthfully, uses third parties to access information, or uses a fictitious identity to obtain information.

    ■ The best rule of thumb is to stay within the Terms of Service of each social networking site.

➢ Griffin v. State, 2010 WL 2105801 (Md. May 27, 2010) discusses in detail the authentication of evidence from social networking sites but the requirements and methods have not been fully tested through the courts

    ■ One court has held that defense counsel's failure to investigate and pursue evidence from social networking sites could be ineffective assistance of council (see Cannedy v. Adams, 2009 WL 3711958 (C.D. Cal. Nov. 4, 2009).

➢ If defense attorneys are obligated to investigate social networking leads, why aren't we?

Module 7

Review and Q/A

Module Objectives

Module 7 Learning Objectives:

Understand the key points of today's lecture, and be able to put the provided information to use and action in criminal investigations involving evidence from social networking sites.

Lesson Objectives:

1. Bring into focus the main points of today's presentation.
2. Place emphasis on key concepts which the Learners will need to obtain and use evidence from social networking sites.

Introduction to Social Networking Sites

We talked about:

✓ What social networking is

✓ Various types of social networking sites

✓ The most popular social networking sites

✓ Where people share information

✓ How people manage their accounts

✓ What police departments use sites for

✓ Utility of social networking information

✓ What types of information to look for

Overview of Key Social Networking Sites

We talked about:

✓ Social networking sites and characteristics

✓ Screenshots of sites and site features

Case Studies and Review of Successful Investigations

We talked about:

✓ Outside (non-HPD) investigations

✓ HPD investigations aided by social networks

Capturing Evidence and Working with Site Administrators

We talked about:

- ✓ Reactive versus proactive investigations
- ✓ Site visualizers
- ✓ pipl people search site
- ✓ Printkey for screen capture
- ✓ Screen Recorder for video capture
- ✓ Considerations for undercover investigations
- ✓ U.S. v. Lori Drew- Terms of Service
- ✓ Complainants, witnesses, and police use
- ✓ Working with social network providers

Utilities and Resources

We talked about:

✓ Metadata

✓ Web Spiders

✓ Data Aggregation and Inference

✓ Various people search sites

✓ Various information search sites

✓ Data harvesting tools

✓ When and where these tools are appropriate

Additional Legal and Practical Issues

We talked about:

✓ Federated Identification plans

✓ Terms of Service

✓ Privacy Policies

✓ Unresolved Issues

References
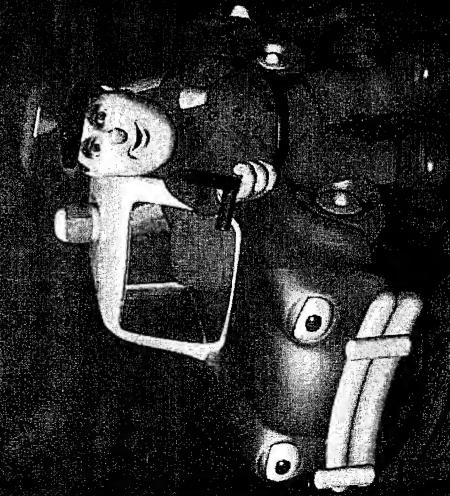
1) Facebook – http://www.facebook.com
2) Facebook Statistics - http://www.facebook.com/press/info.php?statistics
3) MySpace – http://www.myspace.com
4) Twitter – http://www.twitter.com
5) LinkedIn – http://www.linkedin.com
6) WordPress – http://www.wordpress.com
7) Social Networking Visualization Tools – http://www.lococitato.com
8) Social Media Usage - http://mashable.com/2010/03/19/global-social-media-usage/
9) Connected Cops Social Media handbook - http://connectedcops.net/?p=5013

10) How to Capture a MySpace Page for Investigative Purposes
By: Lauren Wagner and Keith Daniels
SEARCH, National Consortium for Justice Information and Statistics Jan. 2008
www.search.org

<u>Houston Regional Intelligence Service Center (HRISC)</u>
<u>Memorandum of Understanding</u>

This Memorandum of Understanding (MOU) is entered into by the Houston Police Department and the below listed agencies, and outlines participation in the Houston Regional Intelligence Service Center (HRISC). The listed agencies hereafter referred to as "participant agencies," jointly and severally agree to abide by the terms and provisions of this MOU throughout its duration. In order to ensure aggressive capability to prevent, detect, respond and recover from a terrorist act, the Houston/Harris County region has established a regional intelligence service.

> The Harris County Sheriffs Department (HCSO)
> The Texas Department of Public Safety (DPS)
> The Metropolitan Transit Authority Police (METRO)

Purpose:

The purpose of this Memorandum of Understanding is to set out a common understanding and agreement of the policies and procedures that participant agencies will follow in providing a regional counter-terrorist and criminal intelligence service in the furtherance of protecting the lives and property of the citizenry. This Memorandum of Understanding is not intended to be legally binding on any of the signing parties of this document.

Mission:

The mission of the Houston Regional Intelligence Service Center (referred hereafter also as the "Center") is to provide continuous security to our region by gathering, developing and sharing intelligence into the capabilities, intentions, and actions of terrorist groups and individuals which pose a threat to our populace and region.

Organization - Chain of Command

- **Personnel**

    Personnel assigned to the captioned Center will consist of a combined body of members who are assigned or attached to, or are in active association with, the Houston Regional Intelligence Service Center.

    Members shall be considered as full time participants in the Center if they spend at least sixty percent of their effort towards the Center's mission and are physically collocated at the Center. Members shall be considered as Associates if they contribute to the mission of the Center and are virtually or electronically collocated with the Center.

- **Direction of the Houston Regional Intelligence Service Center**

    All participants, acting as equal partners, acknowledge the mission of the Houston Regional Intelligence Service Center, and will work in concert towards fulfillment of the mission. The policy, program involvement, and direction of the service shall be the responsibility of the Chief of Police of the Houston Police Department or his designee who will coordinate with the designated members of the participating agencies.

- **Operational Oversight & Supervision**

    General supervision of the personnel assigned to the Houston Regional Intelligence Service Center will be the responsibility of the participating agencies. Day to day supervision and operational oversight, however, of the intelligence service and its direction, shall be with a Houston Police Department supervisor who will act as the administrative coordinator of the center.

    The responsibility for the conduct of individuals assigned to the center remains with their respective agency.

- **Operational Personnel**

    The Houston Police Department initially agrees to assign four (4) officers to the Center, as well as provide positions for one or more officers/agents from the participating agencies. Full participating agencies will provide, at a minimum, one officer or agent or member full time to the service center. The Houston Police Department will also provide positions for a minimum of two analysts within the Center. Associate participants will designate a contact person within their agency to liaison and interact with the Center.

- **Office Space, Equipment, Vehicles, Overtime**

    The Houston Police Department agrees to provide office space, equipment and supplies, to carry out the administrative operation of the Houston Regional Intelligence Service Center. Additional equipment required by an agency will be the responsibility of that agency.

    Vehicles and overtime will be the responsibility of each individual agency pursuant to their policies.

Procedures

- **Compliance with Regulations**

  The Houston Regional Intelligence Service Center, and the personnel assigned there, will operate in compliance with federal regulations regarding intelligence, specifically 28 CFR Part 23 et al.

  The Houston Regional Intelligence Service Center shall develop procedural guidelines to ensure operational and informational security as well as to provide for the effective and efficient operation of the Center.

- **Assignment of Personnel**

  Personnel assigned to the Center will be assigned matters and duties related to the mission of the Intelligence Center. Continued assignment of members will be based upon performance, and will be at the discretion of the respective participating agencies in coordination with HPD.

- **Information Exchange & Intelligence Sharing**

  Participating agencies agree to exchange and share information to the Center in furtherance of its mission; connectivity back to the participant agency's information, database, data warehouse is required.

  In order to ensure the rights of innocent citizens are not abridged, all intelligence products and intelligence sharing shall adhere to the rules in keeping with 28 CFR Part 23 et al and the "need to know/right to know" standard. To prevent compromise of intelligence products produced, access and dissemination will be controlled and all intelligence products produced will be labeled "Law Enforcement Sensitive, For Official Use Only."

Amendments to this MOU

If the signatory parties agree, this MOU may be amended at any time in the future to include additional participating agencies.

Duration

There is no limit as to the term of this Memorandum of Understanding. However, any party wishing to terminate participation may do so by providing written notice to the other parties of their intent to withdraw from this agreement.

[signature]   11-15-06

By: C. A. McClelland,   Date: _____
Acting Chief of Police

Harold L. Hurtt, Chief of Police
Houston Police Department

By: _[signature]_   Date: 12-15-06

Tommy Thomas, Sheriff
Harris County Sheriff's Office

By: _[signature]_   Date: 2/06/2007

Honorable Robert Eckels
Harris County Judge

By: _[signature]_   Date: 2-9-07

Thomas A. Davis Jr., Director
Texas Department of Public Safety

By: _[signature]_   Date: 12-20-06

Thomas C. Lambert, Chief
Metropolitan Transit Authority Police Department